



Infrastructure · Water · Environment · Buildings

Ms. Ana Townsend
California Regional Water Quality Control Board
Los Angeles Region
320 West Fourth Street, Suite 200
Los Angeles, California 90013

ARCADIS U.S., Inc.
320 Commerce
Suite 200
Irvine
California 92602
Tel 714.730.9052
Fax 714.730.9345
www.arcadis-us.com

ENVIRONMENT

Subject:
Quarterly Groundwater and Remedial Progress Monitoring Report
for the First Quarter of 2014
Bodycote Thermal Processing Techni-Braze Facility
11845 Burke Street, Santa Fe Springs, California

Date:
April 30, 2014

Dear Ms. Townsend:

Contact:
Jennifer S. Rothman, P.E.

ARCADIS U.S., Inc. (ARCADIS) prepared the enclosed Quarterly Groundwater and Remedial Progress Monitoring Report for the First Quarter of 2014 for the Bodycote Thermal Processing (Bodycote) Techni-Braze facility (the Site) located at 11845 Burke Street, Santa Fe Springs, California. This report documents the findings of groundwater monitoring and sampling activities conducted at the Site during the first quarter of 2014 in response to requests made by the California Regional Water Quality Control Board, Los Angeles Region (RWQCB).

Phone:
714.730.9052

The scope of work for field activities performed at the Site may be found in the Work Plan for Groundwater Monitoring and Additional Subsurface Investigation prepared by LFR Inc. (now known as ARCADIS) and dated June 18, 2004. Four groundwater monitoring wells (MW-15 and MW-17 through MW-19) were incorporated into the quarterly groundwater monitoring and sampling schedule for the Site as of the third quarter of 2008. Additionally, one groundwater monitoring well (MW-20) was incorporated into the Site's monitoring and sampling schedule as of the fourth quarter of 2012. During the first quarter of 2014, 22 groundwater monitoring wells and four soil vapor extraction (SVE)/dual-phase extraction (DPE) wells were gauged and nine of the 22 groundwater monitoring wells were sampled.

Email:
jennifer.rothman@arcadis-us.com

Our ref:
CM010272.0022

In a June 11, 2013 letter, the United States Environmental Protection Agency (USEPA) requested that Bodycote provide current and future groundwater monitoring data for the Site. In addition, they requested that analytical testing

Imagine the result

for 1,4-dioxane, trichlorofluoromethane (Freon-11), and 1,1,2-trichloro-trifluoroethane (Freon-113) be included as part of the suite of volatile organic compound (VOC) analyses conducted at the Site. The requested groundwater and remedial progress monitoring data will be used by the USEPA in its ongoing investigation of the Omega Chemical Corporation Superfund Site (Omega site) located at 12504 and 12512 East Whittier Boulevard in Whittier, California.

As of the fourth quarter of 2013, the Site's groundwater sampling program was revised to include analytical testing for Freon-11, Freon-113, and 1,4-dioxane as requested by the USEPA.

This report also documents the results of the soil vapor samples collected during this reporting period as part of the Work Plan for Soil Vapor Monitoring developed after the SVE system was shut down on December 17, 2012.

Remedial Action Plan Update

ARCADIS is currently evaluating groundwater elevations at the Site and how declining groundwater elevations could affect remedial action plan implementation,

If you have questions regarding the material presented in this report or other issues concerning the Site, please call Jennifer Rothman at 714.730.9052 or Jay Shipley at 562.496.3001.

Sincerely,

ARCADIS U.S., Inc.



Jennifer S. Rothman, P.E.
Principal Civil Engineer



Jay M. Shipley, P.E.
Senior Vice President/Principal Engineer

Attachment

Copies:
Mr. Tom Anderson, Bodycote Thermal Processing

Bodycote Thermal Processing

**Quarterly Groundwater and
Remedial Progress Monitoring Report
for the First Quarter of 2014**

Bodycote Thermal Processing
Techni-Braze Facility, 11845 Burke Street,
Santa Fe Springs, California

April 30, 2014

ARCADIS

Jennifer A. Rothman

Jennifer S. Rothman, P.E.
Principal Civil Engineer

JM Shipley

Jay M. Shipley, P.E.
Senior Vice President/Principal Engineer

**Quarterly Groundwater
and Remedial Progress
Monitoring Report for the
First Quarter of 2014**

Bodycote Thermal Processing
Techni-Braze Facility,
11845 Burke Street,
Santa Fe Springs, California

Prepared for:
Bodycote Thermal Processing

Prepared by:
ARCADIS U.S., Inc.
320 Commerce
Suite 200
Irvine
California 92602
Tel 714.730.9052
Fax 714.730.9345

Our Ref.:
CM010272.0022

Date:
April 30, 2014

*This document is intended only for the use
of the individual or entity for which it was
prepared and may contain information that
is privileged, confidential and exempt from
disclosure under applicable law. Any
dissemination, distribution or copying of
this document is strictly prohibited.*

1. Introduction	1
2. Scope of Work	1
3. Background	2
3.1 Site Description	2
3.2 Geology and Hydrogeology	3
3.2.1 Geologic Setting	3
3.3 Site Geology	5
3.4 Hydrogeologic Setting	6
3.5 Site Hydrogeology	8
4. Field Activities	10
4.1 Groundwater Sampling	10
5. Analytical Methods and Results	11
5.1 Groundwater Analytical Results	11
5.1.1 Zone A	11
5.1.2 Zone B	11
5.2 Geochemical Analyses	12
6. Waste Management	13
7. Soil Vapor Monitoring	13
8. Conclusions	13
9. Certification	15
10. Limitations Statement	16
11. References	17

Tables

- 1 Summary of Potentiometric Surface Elevations
- 2 Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)
- 3 Groundwater Chemistry Data
- 4 Soil Vapor Monitoring Data

Figures

- 1 Site Vicinity Map
- 2 Site Plan Showing SVE/GWM Well Locations
- 3 Potentiometric Surface Elevation Map of Zone A – February 2014
- 4 Potentiometric Surface Map of Zone B – February 2014
- 5 Site Plan Showing Yearly Average PCE Concentrations in Zone A
- 6 Site Plan Showing Yearly Average PCE Concentrations in Zone B
- 7 Site Plan Showing VOC Concentrations in Zones A and B

Appendices

- A ARCADIS Field Protocols
- B Groundwater Quality Sampling Information
- C Laboratory Reports and Chain-of-Custody Forms for Groundwater Samples
- D Laboratory Reports and Chain-of-Custody Forms for Soil Vapor Samples

Acronyms and Abbreviations

1,1-DCE	1,1-dichloroethene
ARCADIS	ARCADIS U.S., Inc.
Bodycote	Bodycote Thermal Processing
CDWR	California Department of Water Resources
cis-1,2-DCE	cis-1,2-dichloroethene
DPE	dual-phase extraction
Freon-11	trichlorofluoromethane
Freon-113	1,1,2-trichloro-trifluoroethane
ft bgs	feet below ground surface
ft msl	feet above mean sea level
ft/day	foot (feet) per day
ft/ft	foot of vertical drop per foot of horizontal distance
GWM	groundwater monitoring
HHRA	human health risk assessment
LFR	LFR Levine·Fricke or LFR Inc.
µg/L	micrograms per liter
Omega site	Omega Chemical Corporation Superfund Site, 12504 and 12512 East Whittier Boulevard, Whittier, California
PCE	tetrachloroethene
PID	photoionization detector
RI/FS	remedial investigation/feasibility study
RWQCB	California Regional Water Quality Control Board, Los Angeles Region
Site	Bodycote's Techni-Braze facility, 11845 Burke Street, Santa Fe Springs, California
SunStar	SunStar Laboratories
SVE	soil vapor extraction
TCE	trichloroethene
USEPA	United States Environmental Protection Agency
USGS	U.S. Geological Survey
VOCs	volatile organic compounds

1. Introduction

Bodycote Thermal Processing (Bodycote) retained ARCADIS U.S., Inc. (ARCADIS) to conduct quarterly groundwater sampling at Bodycote's Techni-Braze facility (the Site) located at 11845 Burke Street, Santa Fe Springs, California (Figures 1 and 2). This report documents the results of the first quarter 2014 groundwater monitoring event for the Site.

This report also documents the results of soil vapor monitoring activities conducted at the Site in accordance with the March 29, 2013 letter from the California Regional Water Quality Control Board, Los Angeles Region (RWQCB), titled Approval of Work Plan for Soil Vapor Monitoring Program.

2. Scope of Work

The purpose of this assessment was to monitor the extent of volatile organic compound- (VOC-) affected groundwater at the Site. The scope of work performed during field activities may be found in the Work Plan for Groundwater Monitoring and Additional Subsurface Investigation, dated June 18, 2004, which was prepared by LFR and approved by the RWQCB on June 28, 2004. In addition to this scope of work, four additional groundwater monitoring wells (MW-15 and MW-17 through MW-19) were incorporated into the Site's quarterly groundwater monitoring and sampling schedule as of the third quarter of 2008. Groundwater monitoring well MW-20 was incorporated into the Site's monitoring and sampling schedule during the fourth quarter of 2012. Groundwater monitoring well MW-16 was incorporated into the Site's monitoring and sampling schedule during the second quarter of 2013.

In a June 11, 2013 letter, the United States Environmental Protection Agency (USEPA) requested that Bodycote provide them with ongoing groundwater monitoring data for the Site. In addition, they requested that analytical testing for trichlorofluoromethane (Freon-11) and 1,1,2-trichloro-trifluoroethane (Freon-113) be included as part of the suite of VOC analyses conducted at the Site (USEPA 2013). The requested groundwater and remedial progress monitoring data will be used by the USEPA in its ongoing investigation of the Omega Chemical Corporation Superfund Site (Omega site) located at 12504 and 12512 East Whittier Boulevard in Whittier, California.

As of the third quarter of 2013, the Site's groundwater sampling program was revised to include analytical testing for Freon-11 and Freon-113. As of the fourth quarter of 2013, analytical testing for 1,4-dioxane was added to the Site's groundwater sampling program as requested by the USEPA.

Twenty-two groundwater monitoring wells (MCA-1 through MCA-4, MW-1 through MW-3, MW-5 through MW-12, and MW-14 through MW-20) and four nested soil vapor extraction/dual-phase

extraction (SVE/DPE) wells (VW-1 through VW-4) were scheduled to be gauged and sampled during this quarterly monitoring event.

Activities conducted during this assessment included collecting depth-to-groundwater measurements, monitoring well purging and sampling, laboratory analysis of groundwater samples, and off-site disposal of purge water. In addition, soil vapor samples were collected from 14 SVE wells and analyzed for VOCs. Detailed descriptions of these activities are presented in the following sections.

3. Background

3.1 Site Description

The Site is located at 11845 Burke Street in the City of Santa Fe Springs, California, just east of the intersection of Burke Street and Dice Street (Figure 1). The Site is currently inactive and being used for storage; it has most recently (through October 2011) been used for industrial steel treatment activities, including alloy brazing and heat treatment of metal parts using seven vacuum furnaces and five induction furnaces. Surrounding land usage includes industrial properties and parking lots.

The approximately 55,210-square-foot Site is improved with a 24,321-square-foot, two-story building that is used for office space, manufacturing, storage, and distribution. Except for the site building, the majority of the subject property is paved with asphalt. The southern side of the Site along Burke Street has approximately 1,000 square feet of landscaping. Techni-Braze has been the sole occupant of the subject property since the site building was constructed in 1966. According to Techni-Braze personnel, the area was used for agricultural purposes, presumably as a walnut grove, prior to 1966.

Kleinfelder installed nine groundwater monitoring wells in a shallow semi-perched, unconfined groundwater zone at the Site in 1991, and Mabbet Cappacio and Associates installed four wells in August 1991, for a total of 13 groundwater monitoring wells in shallow groundwater (screen depth of approximately 40 feet below ground surface [ft bgs]). Terravac installed three groundwater monitoring wells in a deeper groundwater zone in January 1995 (screen depth of approximately 100 ft bgs).

LFR installed four nested SVE/DPE wells in shallow groundwater on May 22 and 23, 2006 to facilitate the SVE and DPE pilot studies. The four nested wells are located in the northwestern portion of the Site (Figure 2) and are screened within three zones: a screen depth ranging from 0 to 10 ft bgs (zone C), a screen depth ranging from 20 to 25 ft bgs (zone B), and a screen depth

ranging from 28 to 34 ft bgs (zone A). Well construction details for the four nested SVE/DPE wells may be found in LFR's Work Plan for Remedial Pilot Testing, dated December 15, 2005.

LFR installed two groundwater monitoring wells in shallow groundwater and two groundwater monitoring wells in deep groundwater on July 7 through July 17, 2008 to better assess the vertical definition of VOC impacts, specifically tetrachloroethene (PCE), between shallow groundwater and deep aquifers beneath the Site. One deep, upgradient groundwater monitoring well was installed to monitor the condition of groundwater in the deep aquifer coming onto the Site, and one deep groundwater monitoring well was installed on the western boundary of the property to monitor the condition of groundwater in the deep aquifer west of the Site. Additionally, two groundwater monitoring wells were installed upgradient in shallow groundwater to monitor groundwater quality coming onto the Site (Figure 2). Well construction details for the four groundwater monitoring wells may be found in LFR's Groundwater Monitoring Well Installation Report, dated August 18, 2008.

LFR installed 15 SVE wells in August 2008. The SVE wells were screened to target two specific lithologic zones: the shallow zone, which generally consists of finer-grained soils extending from 0 to 15 ft bgs; and the intermediate zone, which generally consists of coarser-grained soils extending from 15 to 60 ft bgs. Seven SVE wells were installed as shallow, single completion SVE wells; three wells were installed as intermediate, single completion SVE wells; and five wells were installed as dual-nested wells. Well construction details for the 15 SVE wells may be found in LFR's Soil Vapor Extraction Well Installation Report, dated September 24, 2008. A full-scale SVE system was installed at the Site in August and September 2008 and operated from October 16, 2008 through December 17, 2012.

ARCADIS installed six SVE/DPE wells (VW-20 through VW-25) and one groundwater monitoring well (MW-20) in deep groundwater on February 20, 2012 through March 5, 2012. The groundwater monitoring and SVE/DPE wells were installed to further refine the site conceptual model, particularly as it relates to the lithology that separates shallow groundwater from the underlying regional aquifer. Well installation details and groundwater sampling results for the six SVE/DPE wells and one groundwater monitoring well were presented in the Well Installation Summary Report, dated May 25, 2012 (ARCADIS 2012).

3.2 Geology and Hydrogeology

3.2.1 Geologic Setting

ARCADIS conducted a literature review to assess the regional geology at the Site. The following discussion summarizes the geologic setting of the Site and surrounding areas, based primarily on

comprehensive regional investigations conducted by the California Department of Water Resources (CDWR 1961).

The Site is located in the northwestern portion of the Peninsular Ranges geomorphic province of Southern California, within the Santa Fe Springs Plain portion of the Coastal Plain of Los Angeles County. The Site is situated approximately 1.25 miles west of the San Gabriel River and 2 miles southwest of the Puente Hills. The surface topography slopes to the south along the pathway of the San Gabriel River (U.S. Geological Survey [USGS] 1981).

The Site is located on alluvial and fluvial deposits consisting of gravels, sands, silts, and clays, including marine, tidal, and wind deposits closer to the ocean. The alluvium was deposited at the end of the last glacial stage 15,000 years ago over erosional surfaces that existed at the time. These recent deposits unconformably overlie late Pleistocene-aged alluvial sediments known as the Lakewood Formation near the Site. Lithologic changes occur rapidly in the Lakewood Formation with discontinuous permeable zones and variations in particle size. The Lakewood Formation consists of stream and flood plain deposited gravels, sands, silts, and clays and is subdivided into four components described below from shallowest to deepest:

The semi-perched aquifer is the uppermost component and consists of coarse-grained sands and gravels ranging in thickness from 0 to 60 feet. Portions of the semi-perched aquifer were deposited 15,000 years ago and during the late Pleistocene. The name comes from the significant amount of unconfined water present; however, the water is of poor quality and yields only a small quantity.

Underlying the semi-perched aquifer is the Bellflower Aquiclude comprised of flood-plain deposits ranging in particle size from clay and sandy clay to silt. Lenses of sandy or gravelly clays are also known to exist. The Bellflower Aquiclude, like the semi-perched aquifer, contains sediments deposited during the late Pleistocene and 15,000 years ago and ranges in thickness from 0 to 200 feet.

The Gaspur Aquifer, consisting of stream-deposited sands and gravels with small amounts of interbedded clay, immediately underlies the Bellflower Aquiclude. Although the Site is outside the formal extent of the Gaspur Aquifer, time-equivalent stream deposits are present at the Site.

The Gage Aquifer is the basal member of the Lakewood Formation and consists of yellow sands and gravels with interbedded clays. Late Pleistocene in age, the Gage Aquifer occurs at depths greater than 80 feet.

Two active fold structures known as the Santa Fe Springs Anticline and La Habra Syncline are present near the Site and represent very broad folds within the Lakewood Formation deposits.

These structural features are the result of fault-propagation folding above a “blind” (i.e., not exposed at ground surface) reverse fault formally referred to as the Puente Hills blind thrust system. This blind thrust system was only recently discovered as a result of uplift of the Santa Fe Springs Anticline and La Habra Syncline following the 1987 Whittier Narrows (M6.0) earthquake, which accommodated fault slip along the north-dipping Puente Hills thrust (Shaw and Shearer 1999). Both fold axes trend to the northwest and generally parallel the southern flanks of the western Puente Hills. The Site is located above the east-dipping limb between the two-fold structures. The axial trace of the Santa Fe Springs Anticline is located approximately 1 mile south of the Site, and the axial trace of the La Habra Syncline is located approximately 1,500 feet north of the Site. As a result of fold development that was likely synchronous with deposition of portions of the Lakewood Formation, some of the shallow water-bearing zones thin toward the Santa Fe Springs Anticline, which may have been a localized region of minor topographic uplift. The recent deposits from the last glacial stage are mostly undisturbed.

3.3 Site Geology

The primary surface soil near the Site is the Santiago silt loam. Varying in depth from 1 to 6 ft bgs, the Santiago silt loam consists of light- to dark-gray, micaceous silt loam, varying from loose and friable soil to soil having a tendency to pack, bake, and crack open when dry (Mesmer 1903). Ground surface elevation at the Site is approximately 150 feet above mean sea level (ft msl).

Site stratigraphy has been investigated to a maximum depth of 106 ft bgs and primarily represents unconsolidated deposits of the Lakewood Formation. A total of 82 soil borings and 62 monitoring well logs were reviewed in order to evaluate the site stratigraphy.

From ground surface to approximately 15 ft bgs, the soil consists of mainly fine-grained silts and clays with some fine-grained sand. From approximately 15 to 60 ft bgs, the soil is coarser grained, with poorly to well-graded sands with interbedded lenses of fine-grained sediments. This coarser-grained unit is laterally continuous across the Site. Immediately underlying is another predominantly fine-grained silt and clay layer from approximately 60 to 85 ft bgs. Near monitoring well MW-19, in the northwestern portion of the Site, the fine-grained layer is interbedded with coarser-grained silty sand. A laterally continuous, mostly coarse-grained layer was encountered from approximately 85 to 106 ft bgs. Overall, the unconsolidated stratigraphy observed at the Site correlates with the documented descriptions of the Bellflower Aquiclude, the Gaspur Aquifer, and the Gage Aquifer (CDWR 1961).

3.4 Hydrogeologic Setting

In January 1999, the Omega site was placed on the National Priorities List. The USEPA currently manages the Omega site as three operable units (OU1, OU2, and OU3). OU2, the contaminated groundwater area that extends from the former Omega facility to approximately 4.5 miles south-southwest, is the operable unit of interest for this report. A map showing the location of the Omega site and approximate boundaries of OU2 is presented on Figure 2-1 of the Groundwater Remedial Action Plan and Updated Site Conceptual Model (ARCADIS 2013b). The Site is located approximately 1.25 miles downgradient from the Omega site within the groundwater plume footprint.

The climate in the Omega site area is semiarid with moderate temperatures throughout the year. Rainfall occurs primarily during the winter and spring months with a 50-year mean annual rainfall total of 14.3 inches in the City of Whittier (CH2M Hill 2010).

The USEPA has identified four contiguous, coarse-grained, water-bearing zones within OU2, which are labeled from shallowest to deepest: Zone A, Zone B, Zone C, and Zone D. These water-bearing zones are separated by discontinuous fine-grained units, though no single fine-grained layer is laterally continuous across OU2. As a result, some water-bearing zones are in hydraulic communication in some areas, while conversely hydraulically isolated in other areas. Currently, there are six USEPA installed well clusters with monitoring wells screened across all four water-bearing zones (MW-8, MW-23, MW-24, MW-25, MW-26, and MW-27) and four USEPA installed well clusters screened across the shallowest three units (MW-4, MW-16, MW-17, and MW-20).

A summary of the hydrostratigraphy for OU2 is as follows:

- *Zone A.* The shallowest water-bearing zone is under unconfined conditions. Groundwater flows from the Omega site to the southwest, but locally flows to the southeast near the Santa Fe Springs Anticline and the Site. Hydraulic head levels measured near the Site in OU2 monitoring wells screened in Zone A are consistent with head levels measured in Zone A from on-site monitoring wells. Previous work by CH2M Hill indicates that the hydraulic gradient ranged from 0.0085 near the Omega site to 0.0055 near MW-20A (CH2M Hill 2012). CH2M Hill also noted that groundwater elevations varied from approximately 130 ft msl near the Omega site to 55 ft msl near MW-20A (CH2M Hill 2012). The average thickness of Zone A is 50 feet with an average hydraulic conductivity across OU2 of 29 feet per day (ft/day).
- *Zone B, Zone C, and Zone D.* These water-bearing zones are under confined conditions and have an average thickness of 20 feet, 50 feet, and unknown thickness, respectively. Within all

three zones, groundwater flow direction is to the southwest with a flatter hydraulic gradient than observed for Zone A. Hydraulic head levels measured near the Site in OU2 monitoring wells screened in Zone B are consistent with head levels measured in Zone B from on-site monitoring wells. The geometric mean hydraulic conductivities for Zone B, Zone C, and Zone D across OU2 are 29 ft/day, 11.6 ft/day, and 12.3 ft/day, respectively.

Groundwater elevations at the Omega site declined between 2001 and 2004, prior to rebounding in 2005 as a result of recharge from increased annual precipitation. Groundwater elevations remained stable between mid-2005 and mid-2007, followed by significant water level decline through 2010 (CH2M Hill 2012). Water levels began to rebound between 2010 and mid-2012; however, steady declines due to ongoing management of the basin (i.e., groundwater pumping) have continued since mid-2012.

CH2M Hill (2012) calculated vertical gradients at well clusters screened across Zones A, B, C, and D. Most well clusters exhibited downward vertical gradients as a result of surficial recharge and deep well pumping in the area. Deviations from the normally downward vertical gradient were small relative to the vertical gradients cited in the CH2M Hill groundwater monitoring report and were attributed to local head variations from heterogeneity in the aquifer and measurement error (CH2M Hill 2012).

A remedial investigation/feasibility study (RI/FS) was prepared by CH2M Hill for USEPA for the Omega site. As part of the RI/FS, pumping tests were performed on monitoring wells MW-23A, MW-24A, MW24C, MW-26, MW-27, and MW-30. Wells in each cluster that were not pumped during testing were monitored using a pressure transducer. The only drawdown response was observed between MW-24B and MW-24C, indicating some degree of hydraulic communication between Zone B and Zone C near those wells. All other wells were hydraulically distinct from the rest of the wells in their respective cluster, suggesting hydraulic isolation between Zones A, B, C, and D near those wells. Differences in groundwater levels among well clusters were also examined to evaluate hydraulic connectivity (i.e., similar hydraulic head) versus hydraulic isolation (i.e., distinguished differences in hydraulic head) between zones. From this analysis, individual wells in well clusters OW-3, OW-8, MW-17, MW-20, MW-26, and MW-27 were found to be hydraulically distinct from one another, indicating that Zones A, B, C, and D are hydraulically isolated near those wells. Well clusters MW-8 excluding MW-8D, MW-25 excluding MW-25A and MW-25B, and all three wells in MW-18 had similar groundwater levels with their respective cluster wells. Near these wells, Zones A, B, C, and D are considered to have limited hydraulically connectivity (CH2M Hill 2010).

A baseline human health risk assessment (HHRA) was conducted as part of the RI/FS. Results of the HHRA for OU2 showed that groundwater resources were “significantly” contaminated by

VOCs in groundwater and are unsuitable for domestic use. There was no future risk to ecological receptors from groundwater contaminants at OU1 and OU2, and no further action was recommended.

3.5 Site Hydrogeology

The hydrostratigraphy at the Site has been investigated to a maximum depth of 106 ft bgs. Two continuous water-bearing permeable units (Zone A and Zone B) have been identified, which are separated by potential aquitards. Perched water was also observed within the vadose zone. The following summarizes the quantity of available soil borings and accessible groundwater monitoring wells that were reviewed to assess the site stratigraphy and groundwater flow direction:

- Vadose Zone: 28 soil borings and 28 monitoring wells
- Zone A: 40 soil borings and 28 monitoring wells
- Zone B: 6 soil borings and 6 monitoring wells.

The site-specific hydrostratigraphy is summarized as follows:

- **Vadose Zone.** Contains laterally discontinuous saturated zones during periods of high rainfall or elevated groundwater levels. Following groundwater level declines, the vadose zone retains a small quantity of water before eventually drying out. Monitoring wells screened in this zone (7 to 25 ft bgs) have been dry since 2008, consistent with regional drought conditions (ARCADIS 2013b, Section 2.3). Due to the discontinuity of periodically saturated intervals, estimates of hydraulic gradient or hydraulic conductivity testing could not be performed in this zone.
- **Zone A.** Correlates with the regional interpretation of Zone A for OU2. This zone contains the first groundwater encountered at the Site with depth to water ranging from 33 to 39 ft bgs. During periods of low precipitation, many of the on-site wells screened across this zone were dry. Groundwater is unconfined, and historically, flow is predominantly to the southeast across the Site (Figure 2-6, ARCADIS 2013b). The hydraulic gradient for this zone is similar to regional estimates. Hydraulic conductivities from recent slug testing ranged from 0.39 ft/day in monitoring well MW-6 to 7.1 ft/day in VW-23 with a geometric mean conductivity of 1.2 ft/day.
- **Zone B.** Correlates with the regional interpretation of Zone B for OU2 and is under confined conditions. Depth to groundwater ranges from 44 to 47 ft bgs. The hydraulic gradient for this zone was 0.015 in 2012, which is similar to regional estimates. Hydraulic conductivities from

recent slug testing ranged from 2.3 ft/day in monitoring well MW-19 to 66 ft/day in MW-15 with a geometric mean conductivity of 23 ft/day.

- Zone C and Zone D are not currently monitored at the Site.

Groundwater elevations at the Site have fluctuated dramatically since ARCADIS began gauging wells in March 2004. Between March 2004 and 2006, groundwater elevations increased approximately 9 feet. From 2006 to February 2010, groundwater elevations decreased an average of 4 feet per year until rebounding and increasing as much as 10 feet between February 2010 and February 2012. From February 2012 to date, groundwater elevations have decreased as much as 7 to 10 feet. Despite fluctuations in groundwater levels, the hydraulic gradient for Zone A has remained relatively flat across the Site, which is consistent with regional observations in OU2 between the Site and the Omega site. It should be noted that one Zone B well (MW-19) is screened within a permeable unit that is disconnected from other downgradient permeable units within Zone B at the Site. As a result, groundwater elevations measured at MW-19 are likely representative of Zone B hydraulic head levels upgradient from the Site and should not be used for groundwater contouring.

Hydraulic conductivity estimates from recent slug testing at the Site suggest that Zone A is much less permeable than Zone B and that a significant reduction in hydraulic connectivity exists between these two zones. Therefore, the low permeability Zone A significantly impedes both lateral and vertically downward groundwater flow.

The principal surface water feature in the study area is a concrete-lined section of the Los Angeles County Flood Control Channel immediately west of the Site known as the Sorenson Avenue Drain. The channel is typically dry but during storm events may convey runoff to the San Gabriel River and ultimately to the Pacific Ocean.

During the most recent round of monitoring at the Site (performed on February 10, 11, and 13, 2014), the piezometric surface of Zone A ranged from 41.60 ft bgs in well MW-8 to 45.15 ft bgs in well MW-5. The well casing at MW-16/ART was raised during the first quarter of 2014, and was therefore not gauged or sampled during this monitoring event. The piezometric surface of Zone B ranged from 47.07 ft bgs in well MW-19 to 61.24 ft bgs in well MW-2. The piezometric surface of Zone B at the Site decreased an average of 2.27 feet compared to the previous quarter.

The groundwater flow direction in Zone B is interpreted to be toward the southwest, with a horizontal gradient of approximately 0.05 ft/ft.

Table 1 summarizes depth-to-groundwater measurement data and potentiometric surface elevations for the Site. Figure 3 illustrates potentiometric surface elevations for Zone A. Potentiometric surface elevation contours are not shown on Figure 3 because several wells were dry during the first quarter of 2014. Figure 4 illustrates potentiometric surface elevation contours and the interpreted groundwater flow direction for Zone B.

4. Field Activities

ARCADIS performed first quarter 2014 groundwater monitoring activities at the Site on February 10, 11, and 13, 2014. Appendix A describes the procedures and standard protocols used to conduct these field activities.

4.1 Groundwater Sampling

ARCADIS gauged a total of 25 wells and sampled nine of the 26 groundwater monitoring and SVE/DPE wells during the first quarter of 2014. Groundwater monitoring wells MCA-1 through MCA-4, MW-6, MW-8 through MW-12, MW-14, MW-16/ART, MW-17, and SVE/DPE wells VW-1 through VW-4 were dry or had insufficient water and were therefore not sampled during the first quarter of 2014. One groundwater monitoring well in the A Zone had sufficient groundwater for sample collection.

ARCADIS collected one duplicate groundwater sample from groundwater monitoring well MW-7 for quality assurance purposes. Analytical results for the duplicate sample were consistent with its sample pair. An equipment blank sample was also collected during sampling activities by pouring deionized water through the pump and into three 40-milliliter volatile organic analysis vials.

Prior to sample collection, ARCADIS purged a minimum of three well casing volumes of groundwater from each well (unless the well went dry) using submersible pumps or disposable bailers. The groundwater temperature, specific conductance, and pH were monitored for stabilization during the purging process. Appendix B presents groundwater quality sampling information.

ARCADIS collected a groundwater sample from each well after the well was purged and the water level in the well had recovered to at least 80 percent of the original water level. Groundwater samples were collected using clean, disposable bailers and decanted into laboratory-supplied sample containers prepared with the appropriate sample preservative. The containers were filled so that no bubbles were visible. Samples were then sealed, labeled, placed in a chilled cooler, and prepared for delivery to the analytical laboratory. A chain-of-custody record was maintained throughout the sample handling process.

5. Analytical Methods and Results

ARCADIS submitted groundwater samples to SunStar Laboratories (SunStar) of Lake Forest, California, for VOC analysis, including Freon-11, Freon-113, and 1,4-dioxane, using USEPA Method 8260B. SunStar is certified by the California Environmental Protection Agency for the above analytical method. Appendix C contains copies of the laboratory data sheets for the groundwater analyses from this sampling event.

5.1 Groundwater Analytical Results

Various VOCs were detected at concentrations above their respective laboratory reporting limits in groundwater from all of the nine wells sampled. VOCs detected in Zone A and Zone B during the first quarter of 2014 are discussed in the following sections.

5.1.1 Zone A

VOCs detected in Zone A samples collected at the Site during this quarterly monitoring event include PCE and trichloroethene (TCE). Analytical results for Zone A samples collected during the first quarter of 2014 are summarized below:

- PCE was detected in all of the three groundwater monitoring wells sampled, at concentrations of 17 micrograms per liter ($\mu\text{g/L}$) in MW-5, 410 $\mu\text{g/L}$ in MW-7, and 41 $\mu\text{g/L}$ in MW-18.
- TCE was detected in two of the three groundwater monitoring wells sampled, at concentrations of 35 $\mu\text{g/L}$ in MW-7 and 7.1 $\mu\text{g/L}$ in MW-18.

Concentrations of VOCs detected in Zone A samples during the first quarter of 2014 were generally consistent with concentration trends observed historically at the Site.

5.1.2 Zone B

VOCs detected in Zone B samples collected at the Site during the first quarter of 2014 include PCE, TCE, 1,1-dichloroethene (1,1-DCE), chloroform, cis-1,2-dichloroethene (cis-1,2-DCE), Freon-11, and Freon-113. Analytical results for Zone B samples collected during the first quarter of 2014 are summarized below:

- PCE was detected in five of the six groundwater monitoring wells sampled, at concentrations ranging from 2.2 $\mu\text{g/L}$ in MW-20 to 260 $\mu\text{g/L}$ in MW-19.

- TCE was detected in all of the six groundwater monitoring wells sampled, at concentrations ranging from 1.6 µg/L in MW-1 to 54 µg/L in MW-3.
- 1,1-DCE was detected in three of the six groundwater monitoring wells sampled, at concentrations of 8.7 µg/L in MW-2, 33 µg/L in MW-3, and 3.0 µg/L in MW-19.
- Chloroform was detected in one of the six groundwater monitoring wells sampled, at a concentration of 5.7 µg/L in MW-3.
- Cis-1,2-DCE was detected in two of the six groundwater monitoring wells sampled, at concentrations of 1.5 µg/L in MW-3 and 14 µg/L in MW-19.
- Freon-11 was detected in one of the six groundwater monitoring wells sampled, at a concentration of 14 µg/L in MW-3.
- Freon-113 was detected in one of the six groundwater monitoring wells sampled, at a concentration of 44 µg/L in MW-3.

Concentrations of VOCs detected in Zone B groundwater samples during the first quarter of 2014 were generally consistent with concentration trends observed historically at the Site. The presence of PCE and TCE in upgradient, Zone B groundwater monitoring well MW-19 is indicative of an upgradient off-site source.

Groundwater analytical results for the first quarter of 2014 are summarized in Table 2. PCE concentrations in Zone A and Zone B are illustrated on Figures 5 and 6, respectively. Figure 7 shows VOC concentrations in Zone A and Zone B for the first quarter of 2014.

5.2 Geochemical Analyses

Groundwater samples collected from Zone A were submitted for geochemical analyses during the second quarter of 2009 groundwater sampling event to evaluate whether natural attenuation of the shallow dissolved-phase VOC plume beneath the Site is occurring as a result of biodegradation. Table 3 tabulates geochemical analytical results for the second quarter of 2009.

Zone A groundwater samples were not analyzed for geochemical parameters during the first quarter of 2014.

6. Waste Management

Groundwater produced from the wells during purging and sampling activities was collected in 55-gallon drums, labeled, and temporarily stored on site pending off-site disposal. Non-hazardous purge water was transported to Crosby & Overton in Long Beach, California, on April 17, 2014. Hazardous purge water will be transported to Crosby & Overton in Long Beach, California, on May 12, 2014.

7. Soil Vapor Monitoring

After soil remedial objectives were successfully met for the Site, the RWQCB granted approval to shut down and demobilize the SVE system in a letter dated December 13, 2012. The December 13, 2012 letter also required that a work plan be submitted prior to February 28, 2013 for soil vapor monitoring of potential subsurface VOCs generated by rebound of vadose zone VOCs or groundwater off-gassing. In response, ARCADIS submitted the Work Plan for Soil Vapor Monitoring Program on February 14, 2013, which was subsequently approved in the RWQCB letter titled Approval of Work Plan for Soil Vapor Monitoring Program, dated March 29, 2013. In accordance with this work plan, ARCADIS began quarterly soil vapor monitoring during the second quarter of 2013.

Soil vapor samples were collected from 14 SVE wells screened from approximately 7 to 10 ft bgs: VW-1C, VW-4C, VW-5, VW-6, VW-7, VW-8A, VW-9, VW-10A, VW-11, VW-12, VW-13A, VW-14A, VW-15A, and VW-19A. Soil vapor samples were collected by connecting a purge pump to the appropriate SVE well conveyance pipe and purging the conveyance pipe and SVE well so that soil vapor samples collected for VOC analysis are representative of soil vapor in the subsurface.

On February 10, 2014, soil vapor samples were field screened for VOCs using a photoionization detector (PID) from each of the SVE wells. A subset of soil vapor samples (VW-5, VW-9, VW-13A, VW-15A, and VW-19A) was submitted for laboratory analysis of VOCs by USEPA Method 8260B, following strict chain-of-custody protocol. No VOCs were detected above the reporting limit in any of the samples. Field PID readings and laboratory results are included in Table 4. Analytical reports are included as Appendix D.

8. Conclusions

Compared to the last gauging and sampling event, which was performed on November 12 to November 14, 2013, groundwater elevations at the Site decreased in Zone B during the first quarter of 2014. The Zone A piezometric surface ranged from 41.60 ft bgs in well MW-8 to 45.15 ft bgs in well MW-5. The piezometric surface of Zone B ranged from 47.07 ft bgs in well MW-19 to 61.24 ft bgs in well MW-2.

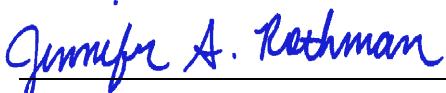
The groundwater flow direction in Zone B is interpreted to be toward the southwest, with a horizontal gradient of approximately 0.05 ft/ft.

The primary VOCs detected in Zone A groundwater samples include PCE and TCE. The primary VOCs detected in Zone B groundwater samples include PCE, TCE, 1,1-DCE, chloroform, cis-1,2-DCE, Freon-11, and Freon-113. Concentrations of VOCs detected in Zone A and Zone B groundwater during the first quarter of 2014 were generally consistent with concentration trends observed historically at the Site.

The next quarterly monitoring and sampling event at the Site is scheduled for May 2014. Our next quarterly report for the Site will be submitted to the RWQCB in July 2014. Soil vapor samples for the second quarter of 2014 will be collected concurrently with the groundwater monitoring event in May 2014.

9. Certification

All engineering information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a Professional Engineer registered in the State of California.



Jennifer S. Rothman, P.E.

Principal Civil Engineer

California Professional Civil Engineer (C054606)



April 30, 2014

Date

- * A professional engineer's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations or ordinances.

10. Limitations Statement

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ARCADIS and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty or guarantee, express or implied, is intended or given. To the extent that ARCADIS relied upon any information prepared by other parties not under contract to ARCADIS, ARCADIS makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

Results of any investigations or testing and any findings presented in this report apply solely to conditions existing at the time when ARCADIS' investigative work was performed. It must be recognized that any such investigative or testing activities are inherently limited and do not represent a conclusive or complete characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. ARCADIS' ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100 percent confidence in environmental investigation conclusions cannot reasonably be achieved.

ARCADIS, therefore, does not provide any guarantees, certifications or warranties regarding any conclusions regarding environmental contamination of any such property. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.

11. References

ARCADIS U.S., Inc. (ARCADIS). 2012. Well Installation Summary Report, Bodycote Thermal Processing Techni-Braze Facility, 11845 Burke Street, Santa Fe Springs, California. May 25.

_____. 2013a. Work Plan for Soil Vapor Monitoring Program, Bodycote Techni-Braze, 11845 Burke Street, Santa Fe Springs, California. February 14.

_____. 2013b. Groundwater Remedial Action Plan and Updated Site Conceptual Model, Bodycote Techni-Braze, 11845 Burke Street, Santa Fe Springs, California. May 14.

California Department of Water Resources (CDWR). 1961. Planned Utilization of Groundwater Basins of the Coastal Plain of Los Angeles County: CDWR Bulletin No. 104, Appendix A.

California Regional Water Quality Control Board, Los Angeles Region (RWQCB). 2013. Letter titled Approval of Work Plan for Soil Vapor Monitoring Program, Bodycote Techni-Braze, 11845 Burke Street, Santa Fe Springs, California. March 29.

CH2M Hill. 2010. Remedial Investigation/Feasibility Study Reports, Omega Chemical Corporation Superfund Site, Operable Unit 2, Los Angeles County California, Volume 1. Prepared for the U.S. Environmental Protection Agency. August.

_____. 2012. Groundwater Monitoring Report for 2010 and 2011, Omega Chemical Corporation Superfund Site, Los Angeles County California. Prepared for the U.S. Environmental Protection Agency. June.

Kleinfelder. 1991. Report – Soil Vapor Survey, Subsurface Soil Sampling and Groundwater Sampling, Techni-Braze, Inc., 11845 Burke Street, Santa Fe Springs, California. October.

LFR Inc. (LFR). 2008a. Groundwater Monitoring Well Installation Report, Bodycote Techni-Braze Facility, 11845 Burke Street, Santa Fe Springs, California. August 18.

_____. 2008b. Soil Vapor Extraction Well Installation Report, Bodycote Techni-Braze Facility, 11845 Burke Street, Santa Fe Springs, California. September 24.

LFR Levine·Fricke (LFR). 2004. Work Plan for Groundwater Monitoring and Additional Subsurface Investigation, Bodycote Techni-Braze Facility, 11845 Burke Street, Santa Fe Springs, California. June 18.

Bodycote Thermal Processing
Techni-Braze Facility, 11845 Burke Street,
Santa Fe Springs, California

_____. 2005. Work Plan for Remedial Pilot Testing, Bodycote Techni-Braze Facility, 11845 Burke Street, Santa Fe Springs, California. December 15.

Mesmer, Louis. 1903. *Soil Survey of Los Angeles Area, California*.

Shaw, J.H., and P.M. Shearer. 1999. An Elusive Blind-Thrust Fault Beneath Metropolitan Los Angeles: Science 283: 1516-1518.

U.S. Environmental Protection Agency (USEPA) Region 9. 2013. Request for Groundwater Monitoring Data and Other Relevant Information and Ongoing Coordination with U.S. Environmental Protection Agency regarding Omega Chemical Corporation Superfund Site, Whittier, California. June 11.

U.S. Geological Survey (USGS). 1965 (photorevised 1981). Whittier Quadrangle, California – Los Angeles County, 7.5-minute series (topographic): USGS, scale 1:24,000, 1 sheet.

ARCADIS

Tables

Table 1**Summary of Potentiometric Surface Elevations**

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MCA-1	03/23/04	1809025.3133	6542170.3703	150.54	35.77	114.77	
MCA-1	06/16/04	1809025.3133	6542170.3703	150.54	36.34	114.20	
MCA-1	09/09/04	1809025.3133	6542170.3703	150.54	38.29	112.25	
MCA-1	12/01/04	1809025.3133	6542170.3703	150.54	40.04	110.50	
MCA-1	02/17/05	1809025.3133	6542170.3703	150.54	37.90	112.64	
MCA-1	05/16/05	1809025.3133	6542170.3703	150.54	30.67	119.87	
MCA-1	08/11/05	1809025.3133	6542170.3703	150.54	28.00	122.54	
MCA-1	11/07/05	1809025.3133	6542170.3703	150.54	27.58	122.96	
MCA-1	02/07/06	1809025.3133	6542170.3703	150.54	29.60	120.94	
MCA-1	05/03/06	1809025.3133	6542170.3703	150.54	27.40	123.14	
MCA-1	07/05/06	1809025.3133	6542170.3703	150.54	27.06	123.48	
MCA-1	10/10/06	1809025.3133	6542170.3703	150.54	28.75	121.79	
MCA-1	01/25/07	1809025.3133	6542170.3703	150.54	29.45	121.09	
MCA-1	05/22/07	1809025.3133	6542170.3703	150.54	27.52	123.02	
MCA-1	08/16/07	1809025.3133	6542170.3703	150.54	29.53	121.01	
MCA-1	11/08/07	1809025.3133	6542170.3703	150.54	34.13	116.41	
MCA-1	02/19/08	1809025.3133	6542170.3703	150.54	34.86	115.68	
MCA-1	05/14/08	1809025.3133	6542170.3703	150.54	33.65	116.89	
MCA-1	08/12/08	1809025.3133	6542170.3703	150.54	36.09	114.45	
MCA-1	10/16/08	1809025.3133	6542170.3703	150.54	38.44	112.10	
MCA-1	02/26/09	1809025.3133	6542170.3703	150.54	41.68	108.86	
MCA-1	05/14/09	1809025.3133	6542170.3703	150.54	42.30	108.24	
MCA-1	08/20/09	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	11/12/09	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	02/09/10	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	05/13/10	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	08/04/10	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	11/04/10	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	02/23/11	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	05/12/11	1809025.3133	6542170.3703	150.54	--	--	Dry
MCA-1	08/10/11	1809025.3133	6542170.3703	150.54	35.50	115.04	
MCA-1	11/15/11	1809025.3133	6542170.3703	150.54	34.91	115.63	
MCA-1	02/16/12	1809025.3133	6542170.3703	150.61	33.75	116.86	
MCA-1	05/30/12	1809025.3133	6542170.3703	150.61	33.89	116.72	
MCA-1	08/22/12	1809025.3133	6542170.3703	150.61	35.14	115.47	
MCA-1	11/14/12	1809025.3133	6542170.3703	150.61	37.31	113.30	
MCA-1	02/11/13	1809025.3133	6542170.3703	150.61	39.27	111.34	
MCA-1	05/13/13	1809025.3133	6542170.3703	150.61	39.84	110.77	
MCA-1	08/20/13	1809025.3133	6542170.3703	150.61	41.44	109.17	
MCA-1	11/12/13	1809025.3133	6542170.3703	150.61	--	--	Dry
MCA-1	02/10/14	1809025.3133	6542170.3703	150.61	--	--	Dry
MCA-2	03/23/04	1808975.1837	6542031.8421	150.25	35.34	114.91	
MCA-2	06/16/04	1808975.1837	6542031.8421	150.25	35.66	114.59	
MCA-2	09/09/04	1808975.1837	6542031.8421	150.25	36.91	113.34	
MCA-2	12/01/04	1808975.1837	6542031.8421	150.25	37.76	112.49	
MCA-2	02/17/05	1808975.1837	6542031.8421	150.25	37.10	113.15	
MCA-2	05/16/05	1808975.1837	6542031.8421	150.25	29.87	120.38	
MCA-2	08/11/05	1808975.1837	6542031.8421	150.25	27.37	122.88	
MCA-2	11/07/05	1808975.1837	6542031.8421	150.25	28.20	122.05	

Table 1**Summary of Potentiometric Surface Elevations**

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MCA-2	02/07/06	1808975.1837	6542031.8421	150.25	29.45	120.80	
MCA-2	05/03/06	1808975.1837	6542031.8421	150.25	26.87	123.38	
MCA-2	07/05/06	1808975.1837	6542031.8421	150.25	26.62	123.63	
MCA-2	10/10/06	1808975.1837	6542031.8421	150.25	28.40	121.85	
MCA-2	01/25/07	1808975.1837	6542031.8421	150.25	29.00	121.25	
MCA-2	05/22/07	1808975.1837	6542031.8421	150.25	27.00	123.25	
MCA-2	08/16/07	1808975.1837	6542031.8421	150.25	29.34	120.91	
MCA-2	11/08/07	1808975.1837	6542031.8421	150.25	33.08	117.17	
MCA-2	02/18/08	1808975.1837	6542031.8421	150.25	34.23	116.02	
MCA-2	05/13/08	1808975.1837	6542031.8421	150.25	32.65	117.60	
MCA-2	08/12/08	1808975.1837	6542031.8421	150.25	34.82	115.43	
MCA-2	10/16/08	1808975.1837	6542031.8421	150.25	36.61	113.64	
MCA-2	02/26/09	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	05/14/09	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	08/20/09	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	11/12/09	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	02/09/10	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	05/13/10	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	08/04/10	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	11/04/10	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	02/23/11	1808975.1837	6542031.8421	150.25	--	--	Dry
MCA-2	05/12/11	1808975.1837	6542031.8421	150.25	37.37	112.88	
MCA-2	08/10/11	1808975.1837	6542031.8421	150.25	34.30	115.95	
MCA-2	11/15/11	1808975.1837	6542031.8421	150.25	34.03	116.22	
MCA-2	02/16/12	1808975.1837	6542031.8421	150.32	33.42	116.90	
MCA-2	05/30/12	1808975.1837	6542031.8421	150.32	33.27	117.05	
MCA-2	08/22/12	1808975.1837	6542031.8421	150.32	34.31	116.01	
MCA-2	11/14/12	1808975.1837	6542031.8421	150.32	36.15	114.17	
MCA-2	02/11/13	1808975.1837	6542031.8421	150.32	37.54	112.78	
MCA-2	05/13/13	1808975.1837	6542031.8421	150.32	--	--	Dry
MCA-2	08/20/13	1808975.1837	6542031.8421	150.32	--	--	Dry
MCA-2	11/12/13	1808975.1837	6542031.8421	150.32	--	--	Dry
MCA-2	02/10/14	1808975.1837	6542031.8421	150.32	--	--	Dry
MCA-3	03/23/04	1808853.0544	6542059.8626	150.24	35.00	115.24	
MCA-3	06/16/04	1808853.0544	6542059.8626	150.24	36.30	113.94	
MCA-3	09/09/04	1808853.0544	6542059.8626	150.24	37.15	113.09	
MCA-3	12/01/04	1808853.0544	6542059.8626	150.24	38.79	111.45	
MCA-3	02/17/05	1808853.0544	6542059.8626	150.24	37.17	113.07	
MCA-3	05/16/05	1808853.0544	6542059.8626	150.24	30.88	119.36	
MCA-3	08/11/05	1808853.0544	6542059.8626	150.24	27.75	122.49	
MCA-3	11/07/05	1808853.0544	6542059.8626	150.24	28.30	121.94	
MCA-3	02/07/06	1808853.0544	6542059.8626	150.24	29.38	120.86	
MCA-3	05/03/06	1808853.0544	6542059.8626	150.24	27.22	123.02	
MCA-3	07/05/06	1808853.0544	6542059.8626	150.24	26.86	123.38	
MCA-3	10/10/06	1808853.0544	6542059.8626	150.24	28.45	121.79	
MCA-3	01/25/07	1808853.0544	6542059.8626	150.24	29.23	121.01	
MCA-3	05/22/07	1808853.0544	6542059.8626	150.24	27.38	122.86	
MCA-3	08/16/07	1808853.0544	6542059.8626	150.24	29.20	121.04	
MCA-3	11/08/07	1808853.0544	6542059.8626	150.24	32.54	117.70	

Table 1**Summary of Potentiometric Surface Elevations**

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MCA-3	02/18/08	1808853.0544	6542059.8626	150.24	34.06	116.18	
MCA-3	05/13/08	1808853.0544	6542059.8626	150.24	32.74	117.50	
MCA-3	08/12/08	1808853.0544	6542059.8626	150.24	34.50	115.74	
MCA-3	10/16/08	1808853.0544	6542059.8626	150.24	36.97	113.27	
MCA-3	02/26/09	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	05/14/09	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	08/20/09	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	11/12/09	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	02/09/10	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	05/13/10	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	08/04/10	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	11/04/10	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	02/23/11	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	05/12/11	1808853.0544	6542059.8626	150.24	--	--	Dry
MCA-3	08/10/11	1808853.0544	6542059.8626	150.24	35.58	114.66	
MCA-3	11/15/11	1808853.0544	6542059.8626	150.24	34.42	115.82	
MCA-3	02/16/12	1808853.0544	6542059.8626	150.31	33.97	116.34	
MCA-3	05/30/12	1808853.0544	6542059.8626	150.31	33.66	116.65	
MCA-3	08/22/12	1808853.0544	6542059.8626	150.31	34.28	116.03	
MCA-3	11/14/12	1808853.0544	6542059.8626	150.31	36.60	113.71	
MCA-3	02/11/13	1808853.0544	6542059.8626	150.31	38.30	112.01	
MCA-3	05/13/13	1808853.0544	6542059.8626	150.31	38.88	111.43	
MCA-3	08/20/13	1808853.0544	6542059.8626	150.31	--	--	Dry
MCA-3	11/12/13	1808853.0544	6542059.8626	150.31	--	--	Dry
MCA-3	02/10/14	1808853.0544	6542059.8626	150.31	--	--	Dry
MCA-4	03/23/04	1809004.3843	6542076.4773	150.79	35.82	114.97	
MCA-4	06/16/04	1809004.3843	6542076.4773	150.79	36.20	114.59	
MCA-4	09/09/04	1809004.3843	6542076.4773	150.79	38.85	111.94	
MCA-4	12/01/04	1809004.3843	6542076.4773	150.79	39.06	111.73	
MCA-4	02/17/05	1809004.3843	6542076.4773	150.79	38.22	112.57	
MCA-4	05/16/05	1809004.3843	6542076.4773	150.79	30.78	120.01	
MCA-4	08/11/05	1809004.3843	6542076.4773	150.79	28.19	122.60	
MCA-4	11/07/05	1809004.3843	6542076.4773	150.79	28.92	121.87	
MCA-4	02/07/06	1809004.3843	6542076.4773	150.79	29.98	120.81	
MCA-4	05/03/06	1809004.3843	6542076.4773	150.79	27.68	123.11	
MCA-4	07/05/06	1809004.3843	6542076.4773	150.79	27.34	123.45	
MCA-4	10/10/06	1809004.3843	6542076.4773	150.79	29.45	121.34	
MCA-4	01/25/07	1809004.3843	6542076.4773	150.79	29.78	121.01	
MCA-4	05/22/07	1809004.3843	6542076.4773	150.79	27.74	123.05	
MCA-4	08/16/07	1809004.3843	6542076.4773	150.79	30.05	120.74	
MCA-4	11/08/07	1809004.3843	6542076.4773	150.79	33.91	116.88	
MCA-4	02/19/08	1809004.3843	6542076.4773	150.79	35.00	115.79	
MCA-4	05/14/08	1809004.3843	6542076.4773	150.79	33.50	117.29	
MCA-4	08/12/08	1809004.3843	6542076.4773	150.79	35.64	115.15	
MCA-4	10/16/08	1809004.3843	6542076.4773	150.79	37.59	113.20	
MCA-4	02/26/09	1809004.3843	6542076.4773	150.79	39.32	111.47	
MCA-4	05/14/09	1809004.3843	6542076.4773	150.79	41.71	109.08	
MCA-4	08/20/09	1809004.3843	6542076.4773	150.79	43.28	107.51	
MCA-4	11/12/09	1809004.3843	6542076.4773	150.79	--	--	Dry

Table 1**Summary of Potentiometric Surface Elevations**

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MCA-4	02/09/10	1809004.3843	6542076.4773	150.79	43.87	106.92	
MCA-4	05/13/10	1809004.3843	6542076.4773	150.79	43.93	106.86	
MCA-4	08/04/10	1809004.3843	6542076.4773	150.79	43.00	107.79	
MCA-4	11/04/10	1809004.3843	6542076.4773	150.79	43.31	107.48	
MCA-4	02/23/11	1809004.3843	6542076.4773	150.79	42.34	108.45	
MCA-4	05/12/11	1809004.3843	6542076.4773	150.79	39.35	111.44	
MCA-4	08/10/11	1809004.3843	6542076.4773	150.79	35.67	115.12	
MCA-4	11/15/11	1809004.3843	6542076.4773	150.79	34.11	116.68	
MCA-4	02/16/12	1809004.3843	6542076.4773	150.86	33.37	117.49	
MCA-4	05/30/12	1809004.3843	6542076.4773	150.86	33.57	117.29	
MCA-4	08/22/12	1809004.3843	6542076.4773	150.86	35.03	115.83	
MCA-4	11/14/12	1809004.3843	6542076.4773	150.86	36.77	114.09	
MCA-4	02/11/13	1809004.3843	6542076.4773	150.86	38.90	111.96	
MCA-4	05/13/13	1809004.3843	6542076.4773	150.86	39.42	111.44	
MCA-4	08/20/13	1809004.3843	6542076.4773	150.86	41.14	109.72	
MCA-4	11/12/13	1809004.3843	6542076.4773	150.86	42.93	107.93	
MCA-4	02/10/14	1809004.3843	6542076.4773	150.86	--	--	Dry
MW-1	03/23/04	1809093.4376	6542052.4768	151.22	44.73	106.49	
MW-1	06/16/04	1809093.4376	6542052.4768	151.22	47.10	104.12	
MW-1	09/09/04	1809093.4376	6542052.4768	151.22	51.16	100.06	
MW-1	12/01/04	1809093.4376	6542052.4768	151.22	51.46	99.76	
MW-1	02/17/05	1809093.4376	6542052.4768	151.22	44.08	107.14	
MW-1	05/16/05	1809093.4376	6542052.4768	151.22	35.92	115.30	
MW-1	08/11/05	1809093.4376	6542052.4768	151.22	36.12	115.10	
MW-1	11/07/05	1809093.4376	6542052.4768	151.22	37.68	113.54	
MW-1	02/07/06	1809093.4376	6542052.4768	151.22	37.78	113.44	
MW-1	05/03/06	1809093.4376	6542052.4768	151.22	34.57	116.65	
MW-1	07/05/06	1809093.4376	6542052.4768	151.22	34.94	116.28	
MW-1	10/10/06	1809093.4376	6542052.4768	151.22	37.80	113.42	
MW-1	01/25/07	1809093.4376	6542052.4768	151.22	37.24	113.98	
MW-1	05/22/07	1809093.4376	6542052.4768	151.22	35.20	116.02	
MW-1	08/16/07	1809093.4376	6542052.4768	151.22	40.18	111.04	
MW-1	11/08/07	1809093.4376	6542052.4768	151.22	45.57	105.65	
MW-1	02/18/08	1809093.4376	6542052.4768	151.22	43.20	108.02	
MW-1	05/13/08	1809093.4376	6542052.4768	151.22	43.07	108.15	
MW-1	08/12/08	1809093.4376	6542052.4768	151.22	48.93	102.29	
MW-1	10/16/08	1809093.4376	6542052.4768	151.22	52.57	98.65	
MW-1	02/26/09	1809093.4376	6542052.4768	151.22	54.37	96.85	
MW-1	05/14/09	1809093.4376	6542052.4768	151.22	54.04	97.18	
MW-1	08/20/09	1809093.4376	6542052.4768	151.22	58.10	93.12	
MW-1	11/12/09	1809093.4376	6542052.4768	151.22	60.82	90.40	
MW-1	02/09/10	1809093.4376	6542052.4768	151.22	59.56	91.66	
MW-1	05/13/10	1809093.4376	6542052.4768	151.22	54.02	97.20	
MW-1	08/04/10	1809093.4376	6542052.4768	151.22	55.70	95.52	
MW-1	11/04/10	1809093.4376	6542052.4768	151.22	57.55	93.67	
MW-1	02/23/11	1809093.4376	6542052.4768	151.22	51.15	100.07	
MW-1	05/12/11	1809093.4376	6542052.4768	151.22	44.57	106.65	
MW-1	08/10/11	1809093.4376	6542052.4768	151.22	41.51	109.71	
MW-1	11/15/11	1809093.4376	6542052.4768	151.22	43.99	107.23	

Table 1**Summary of Potentiometric Surface Elevations**

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-1	02/16/12	1809093.4376	6542052.4768	151.29	42.45	108.84	
MW-1	05/30/12	1809093.4376	6542052.4768	151.29	43.42	107.87	
MW-1	08/22/12	1809093.4376	6542052.4768	151.29	46.51	104.78	
MW-1	11/14/12	1809093.4376	6542052.4768	151.29	50.34	100.95	
MW-1	02/11/13	1809093.4376	6542052.4768	151.29	50.21	101.08	
MW-1	05/13/13	1809093.4376	6542052.4768	151.29	51.64	99.65	
MW-1	08/20/13	1809093.4376	6542052.4768	151.29	54.44	96.85	
MW-1	11/12/13	1809093.4376	6542052.4768	151.29	58.03	93.26	
MW-1	02/10/14	1809093.4376	6542052.4768	151.29	60.26	91.03	
MW-2	03/23/04	1808774.0201	6542075.0787	151.00	45.86	105.14	
MW-2	06/16/04	1808774.0201	6542075.0787	151.00	48.10	102.90	
MW-2	09/09/04	1808774.0201	6542075.0787	151.00	52.04	98.96	
MW-2	12/01/04	1808774.0201	6542075.0787	151.00	52.42	98.58	
MW-2	02/17/05	1808774.0201	6542075.0787	151.00	45.40	105.60	
MW-2	05/16/05	1808774.0201	6542075.0787	151.00	42.92	108.08	
MW-2	08/11/05	1808774.0201	6542075.0787	151.00	37.52	113.48	
MW-2	11/07/05	1808774.0201	6542075.0787	151.00	39.05	111.95	
MW-2	02/07/06	1808774.0201	6542075.0787	151.00	39.21	111.79	
MW-2	05/03/06	1808774.0201	6542075.0787	151.00	36.08	114.92	
MW-2	07/05/06	1808774.0201	6542075.0787	151.00	36.14	114.86	
MW-2	10/10/06	1808774.0201	6542075.0787	151.00	38.80	112.20	
MW-2	01/25/07	1808774.0201	6542075.0787	151.00	38.45	112.55	
MW-2	05/22/07	1808774.0201	6542075.0787	151.00	36.47	114.53	
MW-2	08/16/07	1808774.0201	6542075.0787	151.00	41.13	109.87	
MW-2	11/08/07	1808774.0201	6542075.0787	151.00	46.37	104.63	
MW-2	02/18/08	1808774.0201	6542075.0787	151.00	44.44	106.56	
MW-2	05/14/08	1808774.0201	6542075.0787	151.00	44.35	106.65	
MW-2	08/12/08	1808774.0201	6542075.0787	151.00	49.76	101.24	
MW-2	10/16/08	1808774.0201	6542075.0787	151.00	53.41	97.59	
MW-2	02/26/09	1808774.0201	6542075.0787	151.00	55.38	95.62	
MW-2	05/14/09	1808774.0201	6542075.0787	151.00	55.05	95.95	
MW-2	08/20/09	1808774.0201	6542075.0787	151.00	58.90	92.10	
MW-2	11/12/09	1808774.0201	6542075.0787	151.00	61.65	89.35	
MW-2	02/09/10	1808774.0201	6542075.0787	151.00	60.83	90.17	
MW-2	05/13/10	1808774.0201	6542075.0787	151.00	55.23	95.77	
MW-2	08/04/10	1808774.0201	6542075.0787	151.00	56.69	94.31	
MW-2	11/04/10	1808774.0201	6542075.0787	151.00	58.65	92.35	
MW-2	02/23/11	1808774.0201	6542075.0787	151.00	52.58	98.42	
MW-2	05/12/11	1808774.0201	6542075.0787	151.00	47.24	103.76	
MW-2	08/10/11	1808774.0201	6542075.0787	151.00	42.94	108.06	
MW-2	11/15/11	1808774.0201	6542075.0787	151.00	45.18	105.82	
MW-2	02/16/12	1808774.0201	6542075.0787	151.07	43.80	107.27	
MW-2	05/30/12	1808774.0201	6542075.0787	151.07	44.59	106.48	
MW-2	08/22/12	1808774.0201	6542075.0787	151.07	47.50	103.57	
MW-2	11/14/12	1808774.0201	6542075.0787	151.07	51.22	99.85	
MW-2	02/11/13	1808774.0201	6542075.0787	151.07	51.35	99.72	
MW-2	05/13/13	1808774.0201	6542075.0787	151.07	52.71	98.36	
MW-2	08/20/13	1808774.0201	6542075.0787	151.07	55.52	95.55	
MW-2	11/12/13	1808774.0201	6542075.0787	151.07	59.00	92.07	

Table 1**Summary of Potentiometric Surface Elevations**

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-2	02/10/14	1808774.0201	6542075.0787	151.07	61.24	89.83	
MW-3	03/23/04	1808764.6373	6542253.0397	148.90	43.08	105.82	
MW-3	06/16/04	1808764.6373	6542253.0397	148.90	45.22	103.68	
MW-3	09/09/04	1808764.6373	6542253.0397	148.90	49.08	99.82	
MW-3	12/01/04	1808764.6373	6542253.0397	148.90	49.44	99.46	
MW-3	02/17/05	1808764.6373	6542253.0397	148.90	42.64	106.26	
MW-3	05/16/05	1808764.6373	6542253.0397	148.90	35.28	113.62	
MW-3	08/11/05	1808764.6373	6542253.0397	148.90	34.87	114.03	
MW-3	11/07/05	1808764.6373	6542253.0397	148.90	36.38	112.52	
MW-3	02/07/06	1808764.6373	6542253.0397	148.90	36.80	112.10	
MW-3	05/03/06	1808764.6373	6542253.0397	148.90	33.47	115.43	
MW-3	07/05/06	1808764.6373	6542253.0397	148.90	33.53	115.37	
MW-3	10/10/06	1808764.6373	6542253.0397	148.90	36.15	112.75	
MW-3	01/25/07	1808764.6373	6542253.0397	148.90	35.81	113.09	
MW-3	05/22/07	1808764.6373	6542253.0397	148.90	33.92	114.98	
MW-3	08/16/07	1808764.6373	6542253.0397	148.90	38.45	110.45	
MW-3	11/08/07	1808764.6373	6542253.0397	148.90	43.53	105.37	
MW-3	02/18/08	1808764.6373	6542253.0397	148.90	41.83	107.07	
MW-3	05/13/08	1808764.6373	6542253.0397	148.90	41.49	107.41	
MW-3	08/12/08	1808764.6373	6542253.0397	148.90	46.84	102.06	
MW-3	10/16/08	1808764.6373	6542253.0397	148.90	50.39	98.51	
MW-3	02/26/09	1808764.6373	6542253.0397	148.90	52.32	96.58	
MW-3	05/14/09	1808764.6373	6542253.0397	148.90	52.10	96.80	
MW-3	08/20/09	1808764.6373	6542253.0397	148.90	55.85	93.05	
MW-3	11/12/09	1808764.6373	6542253.0397	148.90	58.60	90.30	
MW-3	02/09/10	1808764.6373	6542253.0397	148.90	57.71	91.19	
MW-3	05/13/10	1808764.6373	6542253.0397	148.90	52.38	96.52	
MW-3	08/04/10	1808764.6373	6542253.0397	148.90	53.88	95.02	
MW-3	11/04/10	1808764.6373	6542253.0397	148.90	55.73	93.17	
MW-3	02/23/11	1808764.6373	6542253.0397	148.90	49.78	99.12	
MW-3	05/12/11	1808764.6373	6542253.0397	148.90	43.56	105.34	
MW-3	08/10/11	1808764.6373	6542253.0397	148.90	40.46	108.44	
MW-3	11/15/11	1808764.6373	6542253.0397	148.90	42.53	106.37	
MW-3	02/16/12	1808764.6373	6542253.0397	148.97	41.13	107.84	
MW-3	05/30/12	1808764.6373	6542253.0397	148.97	41.94	107.03	
MW-3	08/22/12	1808764.6373	6542253.0397	148.97	44.75	104.22	
MW-3	11/14/12	1808764.6373	6542253.0397	148.97	48.38	100.59	
MW-3	02/11/13	1808764.6373	6542253.0397	148.97	48.48	100.49	
MW-3	05/13/13	1808764.6373	6542253.0397	148.97	49.85	99.12	
MW-3	08/20/13	1808764.6373	6542253.0397	148.97	52.58	96.39	
MW-3	11/12/13	1808764.6373	6542253.0397	148.97	55.95	93.02	
MW-3	02/10/14	1808764.6373	6542253.0397	148.97	58.19	90.78	
MW-5	03/23/04	1809058.952	6542022.3075	151.36	36.70	114.66	
MW-5	06/16/04	1809058.952	6542022.3075	151.36	37.07	114.29	
MW-5	09/09/04	1809058.952	6542022.3075	151.36	38.90	112.46	
MW-5	12/01/04	1809058.952	6542022.3075	151.36	40.35	111.01	
MW-5	02/17/05	1809058.952	6542022.3075	151.36	39.22	112.14	
MW-5	05/16/05	1809058.952	6542022.3075	151.36	30.73	120.63	
MW-5	08/11/05	1809058.952	6542022.3075	151.36	28.60	122.76	

Table 1
Summary of Potentiometric Surface Elevations

 Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-5	11/07/05	1809058.952	6542022.3075	151.36	29.54	121.82	
MW-5	02/07/06	1809058.952	6542022.3075	151.36	30.61	120.75	
MW-5	05/03/06	1809058.952	6542022.3075	151.36	28.10	123.26	
MW-5	07/05/06	1809058.952	6542022.3075	151.36	27.93	123.43	
MW-5	10/10/06	1809058.952	6542022.3075	151.36	29.90	121.46	
MW-5	01/25/07	1809058.952	6542022.3075	151.36	30.33	121.03	
MW-5	05/22/07	1809058.952	6542022.3075	151.36	28.20	123.16	
MW-5	08/16/07	1809058.952	6542022.3075	151.36	30.92	120.44	
MW-5	11/08/07	1809058.952	6542022.3075	151.36	34.92	116.44	
MW-5	02/18/08	1809058.952	6542022.3075	151.36	35.79	115.57	
MW-5	05/13/08	1809058.952	6542022.3075	151.36	34.18	117.18	
MW-5	08/12/08	1809058.952	6542022.3075	151.36	36.70	114.66	
MW-5	10/16/08	1809058.952	6542022.3075	151.36	38.98	112.38	
MW-5	02/26/09	1809058.952	6542022.3075	151.36	41.70	109.66	
MW-5	05/14/09	1809058.952	6542022.3075	151.36	42.30	109.06	
MW-5	08/20/09	1809058.952	6542022.3075	151.36	43.48	107.88	
MW-5	11/12/09	1809058.952	6542022.3075	151.36	44.96	106.40	
MW-5	02/09/10	1809058.952	6542022.3075	151.36	46.53	104.83	
MW-5	05/13/10	1809058.952	6542022.3075	151.36	44.73	106.63	
MW-5	08/04/10	1809058.952	6542022.3075	151.36	44.04	107.32	
MW-5	11/04/10	1809058.952	6542022.3075	151.36	44.72	106.64	
MW-5	02/23/11	1809058.952	6542022.3075	151.36	42.90	108.46	
MW-5	05/12/11	1809058.952	6542022.3075	151.36	40.16	111.20	
MW-5	08/10/11	1809058.952	6542022.3075	151.36	34.97	116.39	
MW-5	11/15/11	1809058.952	6542022.3075	151.36	35.20	116.16	
MW-5	02/16/12	1809058.952	6542022.3075	151.43	34.25	117.18	
MW-5	05/30/12	1809058.952	6542022.3075	151.43	34.45	116.98	
MW-5	08/22/12	1809058.952	6542022.3075	151.43	35.72	115.71	
MW-5	11/14/12	1809058.952	6542022.3075	151.43	37.97	113.46	
MW-5	02/11/13	1809058.952	6542022.3075	151.43	39.80	111.63	
MW-5	05/13/13	1809058.952	6542022.3075	151.43	40.20	111.23	
MW-5	08/20/13	1809058.952	6542022.3075	151.43	41.45	109.98	
MW-5	11/12/13	1809058.952	6542022.3075	151.43	42.97	108.46	
MW-5	02/10/14	1809058.952	6542022.3075	151.43	45.15	106.28	
MW-6	03/23/04	1808928.1774	6542231.3779	151.40	36.12	115.28	
MW-6	06/16/04	1808928.1774	6542231.3779	151.40	36.53	114.87	
MW-6	09/09/04	1808928.1774	6542231.3779	151.40	38.02	113.38	
MW-6	12/01/04	1808928.1774	6542231.3779	151.40	39.66	111.74	
MW-6	02/17/05	1808928.1774	6542231.3779	151.40	39.38	112.02	
MW-6	05/16/05	1808928.1774	6542231.3779	151.40	32.12	119.28	
MW-6	08/11/05	1808928.1774	6542231.3779	151.40	29.15	122.25	
MW-6	11/07/05	1808928.1774	6542231.3779	151.40	29.45	121.95	
MW-6	02/07/06	1808928.1774	6542231.3779	151.40	30.54	120.86	
MW-6	05/03/06	1808928.1774	6542231.3779	151.40	28.49	122.91	
MW-6	07/05/06	1808928.1774	6542231.3779	151.40	28.02	123.38	
MW-6	10/10/06	1808928.1774	6542231.3779	151.40	29.60	121.80	
MW-6	01/25/07	1808928.1774	6542231.3779	151.40	30.37	121.03	
MW-6	05/22/07	1808928.1774	6542231.3779	151.40	28.59	122.81	
MW-6	08/16/07	1808928.1774	6542231.3779	151.40	30.55	120.85	

Table 1**Summary of Potentiometric Surface Elevations**

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-6	11/08/07	1808928.1774	6542231.3779	151.40	34.12	117.28	
MW-6	02/18/08	1808928.1774	6542231.3779	151.40	35.50	115.90	
MW-6	05/13/08	1808928.1774	6542231.3779	151.40	34.10	117.30	
MW-6	08/12/08	1808928.1774	6542231.3779	151.40	36.18	115.22	
MW-6	10/16/08	1808928.1774	6542231.3779	151.40	--	--	Not Accessible
MW-6	02/26/09	1808928.1774	6542231.3779	151.40	42.83	108.57	
MW-6	05/14/09	1808928.1774	6542231.3779	151.40	43.65	107.75	
MW-6	08/20/09	1808928.1774	6542231.3779	151.40	44.74	106.66	
MW-6	11/12/09	1808928.1774	6542231.3779	151.40	--	--	Dry
MW-6	02/09/10	1808928.1774	6542231.3779	151.40	46.08	105.32	
MW-6	05/13/10	1808928.1774	6542231.3779	151.40	--	--	Dry
MW-6	08/04/10	1808928.1774	6542231.3779	151.40	--	--	Dry
MW-6	11/04/10	1808928.1774	6542231.3779	151.40	--	--	Dry
MW-6	02/23/11	1808928.1774	6542231.3779	151.40	45.82	105.58	
MW-6	05/12/11	1808928.1774	6542231.3779	151.40	41.92	109.48	
MW-6	08/10/11	1808928.1774	6542231.3779	151.40	37.00	114.40	
MW-6	11/15/11	1808928.1774	6542231.3779	151.40	35.77	115.63	
MW-6	02/16/12	1808928.1774	6542231.3779	151.47	35.01	116.46	
MW-6	05/30/12	1808928.1774	6542231.3779	151.47	34.84	116.63	
MW-6	08/22/12	1808928.1774	6542231.3779	151.47	35.70	115.77	
MW-6	11/14/12	1808928.1774	6542231.3779	151.47	37.58	113.89	
MW-6	02/11/13	1808928.1774	6542231.3779	151.47	39.20	112.27	
MW-6	05/13/13	1808928.1774	6542231.3779	151.47	39.84	111.63	
MW-6	08/20/13	1808928.1774	6542231.3779	151.47	42.18	109.29	
MW-6	11/12/13	1808928.1774	6542231.3779	151.47	44.04	107.43	
MW-6	02/10/14	1808928.1774	6542231.3779	151.47	--	--	Dry
MW-7	03/23/04	1808823.3744	6542235.2072	149.46	34.06	115.40	
MW-7	06/16/04	1808823.3744	6542235.2072	149.46	34.36	115.10	
MW-7	09/09/04	1808823.3744	6542235.2072	149.46	35.90	113.56	
MW-7	12/01/04	1808823.3744	6542235.2072	149.46	37.80	111.66	
MW-7	02/17/05	1808823.3744	6542235.2072	149.46	36.96	112.50	
MW-7	05/16/05	1808823.3744	6542235.2072	149.46	30.36	119.10	
MW-7	08/11/05	1808823.3744	6542235.2072	149.46	27.35	122.11	
MW-7	11/07/05	1808823.3744	6542235.2072	149.46	27.63	121.83	
MW-7	02/07/06	1808823.3744	6542235.2072	149.46	28.57	120.89	
MW-7	05/03/06	1808823.3744	6542235.2072	149.46	26.57	122.89	
MW-7	07/05/06	1808823.3744	6542235.2072	149.46	26.15	123.31	
MW-7	10/10/06	1808823.3744	6542235.2072	149.46	27.70	121.76	
MW-7	01/25/07	1808823.3744	6542235.2072	149.46	28.43	121.03	
MW-7	05/22/07	1808823.3744	6542235.2072	149.46	26.80	122.66	
MW-7	08/16/07	1808823.3744	6542235.2072	149.46	28.53	120.93	
MW-7	11/08/07	1808823.3744	6542235.2072	149.46	32.01	117.45	
MW-7	02/18/08	1808823.3744	6542235.2072	149.46	33.45	116.01	
MW-7	05/13/08	1808823.3744	6542235.2072	149.46	32.15	117.31	
MW-7	08/12/08	1808823.3744	6542235.2072	149.46	34.05	115.41	
MW-7	10/16/08	1808823.3744	6542235.2072	149.46	35.87	113.59	
MW-7	02/26/09	1808823.3744	6542235.2072	149.46	39.45	110.01	
MW-7	05/14/09	1808823.3744	6542235.2072	149.46	40.20	109.26	
MW-7	08/20/09	1808823.3744	6542235.2072	149.46	41.30	108.16	

Table 1
Summary of Potentiometric Surface Elevations

 Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-7	11/12/09	1808823.3744	6542235.2072	149.46	42.45	107.01	
MW-7	02/09/10	1808823.3744	6542235.2072	149.46	44.03	105.43	
MW-7	05/13/10	1808823.3744	6542235.2072	149.46	43.77	105.69	
MW-7	08/04/10	1808823.3744	6542235.2072	149.46	43.27	106.19	
MW-7	11/04/10	1808823.3744	6542235.2072	149.46	43.74	105.72	
MW-7	02/23/11	1808823.3744	6542235.2072	149.46	42.54	106.92	
MW-7	05/12/11	1808823.3744	6542235.2072	149.46	40.48	108.98	
MW-7	08/10/11	1808823.3744	6542235.2072	149.46	35.47	113.99	
MW-7	11/15/11	1808823.3744	6542235.2072	149.46	34.03	115.43	
MW-7	02/16/12	1808823.3744	6542235.2072	149.53	33.36	116.17	
MW-7	05/30/12	1808823.3744	6542235.2072	149.53	33.10	116.43	
MW-7	08/22/12	1808823.3744	6542235.2072	149.53	33.88	115.65	
MW-7	11/14/12	1808823.3744	6542235.2072	149.53	35.42	114.11	
MW-7	02/11/13	1808823.3744	6542235.2072	149.53	37.38	112.15	
MW-7	05/13/13	1808823.3744	6542235.2072	149.53	38.17	111.36	
MW-7	08/20/13	1808823.3744	6542235.2072	149.53	39.51	110.02	
MW-7	11/12/13	1808823.3744	6542235.2072	149.53	40.81	108.72	
MW-7	02/10/14	1808823.3744	6542235.2072	149.53	42.56	106.97	
MW-8	03/23/04	1809001.6246	6542229.3612	150.54	35.26	115.28	
MW-8	06/16/04	1809001.6246	6542229.3612	150.54	35.72	114.82	
MW-8	09/09/04	1809001.6246	6542229.3612	150.54	37.38	113.16	
MW-8	12/01/04	1809001.6246	6542229.3612	150.54	38.97	111.57	
MW-8	02/17/05	1809001.6246	6542229.3612	150.54	38.20	112.34	
MW-8	05/16/05	1809001.6246	6542229.3612	150.54	30.94	119.60	
MW-8	08/11/05	1809001.6246	6542229.3612	150.54	28.12	122.42	
MW-8	11/07/05	1809001.6246	6542229.3612	150.54	28.73	121.81	
MW-8	02/07/06	1809001.6246	6542229.3612	150.54	29.57	120.97	
MW-8	05/03/06	1809001.6246	6542229.3612	150.54	27.44	123.10	
MW-8	07/05/06	1809001.6246	6542229.3612	150.54	27.17	123.37	
MW-8	10/10/06	1809001.6246	6542229.3612	150.54	28.85	121.69	
MW-8	01/25/07	1809001.6246	6542229.3612	150.54	29.39	121.15	
MW-8	05/22/07	1809001.6246	6542229.3612	150.54	27.59	122.95	
MW-8	08/16/07	1809001.6246	6542229.3612	150.54	29.54	121.00	
MW-8	11/08/07	1809001.6246	6542229.3612	150.54	33.45	117.09	
MW-8	02/18/08	1809001.6246	6542229.3612	150.54	34.60	115.94	
MW-8	05/13/08	1809001.6246	6542229.3612	150.54	34.05	116.49	
MW-8	08/12/08	1809001.6246	6542229.3612	150.54	35.41	115.13	
MW-8	10/16/08	1809001.6246	6542229.3612	150.54	37.38	113.16	
MW-8	02/26/09	1809001.6246	6542229.3612	150.54	40.45	110.09	
MW-8	05/14/09	1809001.6246	6542229.3612	150.54	41.40	109.14	
MW-8	08/20/09	1809001.6246	6542229.3612	150.54	41.67	108.87	
MW-8	11/12/09	1809001.6246	6542229.3612	150.54	41.68	108.86	
MW-8	02/09/10	1809001.6246	6542229.3612	150.54	41.61	108.93	
MW-8	05/13/10	1809001.6246	6542229.3612	150.54	--	--	Dry
MW-8	08/04/10	1809001.6246	6542229.3612	150.54	41.69	108.85	
MW-8	11/04/10	1809001.6246	6542229.3612	150.54	41.60	108.94	
MW-8	02/23/11	1809001.6246	6542229.3612	150.54	41.72	108.82	
MW-8	05/12/11	1809001.6246	6542229.3612	150.54	41.29	109.25	
MW-8	08/10/11	1809001.6246	6542229.3612	150.54	35.72	114.82	

Table 1**Summary of Potentiometric Surface Elevations**

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-8	11/15/11	1809001.6246	6542229.3612	150.54	34.73	115.81	
MW-8	02/16/12	1809001.6246	6542229.3612	150.61	33.82	116.79	
MW-8	05/30/12	1809001.6246	6542229.3612	150.61	33.90	116.71	
MW-8	08/22/12	1809001.6246	6542229.3612	150.61	34.92	115.69	
MW-8	11/14/12	1809001.6246	6542229.3612	150.61	36.82	113.79	
MW-8	02/11/13	1809001.6246	6542229.3612	150.61	38.66	111.95	
MW-8	05/13/13	1809001.6246	6542229.3612	150.61	39.13	111.48	
MW-8	08/20/13	1809001.6246	6542229.3612	150.61	40.39	110.22	
MW-8	11/12/13	1809001.6246	6542229.3612	150.61	--	--	Dry
MW-8	02/10/14	1809001.6246	6542229.3612	150.61	41.60	109.01	
MW-9	03/23/04	1808949.6295	6542106.8055	151.18	36.06	115.12	
MW-9	06/16/04	1808949.6295	6542106.8055	151.18	36.34	114.84	
MW-9	09/09/04	1808949.6295	6542106.8055	151.18	37.50	113.68	
MW-9	12/01/04	1808949.6295	6542106.8055	151.18	38.63	112.55	
MW-9	02/17/05	1808949.6295	6542106.8055	151.18	38.66	112.52	
MW-9	05/16/05	1808949.6295	6542106.8055	151.18	31.62	119.56	
MW-9	08/11/05	1808949.6295	6542106.8055	151.18	28.72	122.46	
MW-9	11/07/05	1808949.6295	6542106.8055	151.18	29.26	121.92	
MW-9	02/07/06	1808949.6295	6542106.8055	151.18	30.31	120.87	
MW-9	05/03/06	1808949.6295	6542106.8055	151.18	28.23	122.95	
MW-9	07/05/06	1808949.6295	6542106.8055	151.18	27.82	123.36	
MW-9	10/10/06	1808949.6295	6542106.8055	151.18	29.40	121.78	
MW-9	01/25/07	1808949.6295	6542106.8055	151.18	30.15	121.03	
MW-9	05/22/07	1808949.6295	6542106.8055	151.18	28.31	122.87	
MW-9	08/16/07	1808949.6295	6542106.8055	151.18	30.35	120.83	
MW-9	11/08/07	1808949.6295	6542106.8055	151.18	33.90	117.28	
MW-9	02/19/08	1808949.6295	6542106.8055	151.18	35.19	115.99	
MW-9	05/14/08	1808949.6295	6542106.8055	151.18	34.53	116.65	
MW-9	08/12/08	1808949.6295	6542106.8055	151.18	35.70	115.48	
MW-9	10/16/08	1808949.6295	6542106.8055	151.18	37.21	113.97	
MW-9	02/26/09	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	05/14/09	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	08/20/09	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	11/12/09	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	02/09/10	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	05/13/10	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	08/04/10	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	11/04/10	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	02/23/11	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	05/12/11	1808949.6295	6542106.8055	151.18	--	--	Dry
MW-9	08/10/11	1808949.6295	6542106.8055	151.18	37.41	113.77	
MW-9	11/15/11	1808949.6295	6542106.8055	151.18	35.41	115.77	
MW-9	02/16/12	1808949.6295	6542106.8055	151.25	34.87	116.38	
MW-9	05/30/12	1808949.6295	6542106.8055	151.25	34.60	116.65	
MW-9	08/22/12	1808949.6295	6542106.8055	151.25	35.41	115.84	
MW-9	11/14/12	1808949.6295	6542106.8055	151.25	37.21	114.04	
MW-9	02/11/13	1808949.6295	6542106.8055	151.25	38.55	112.70	
MW-9	05/13/13	1808949.6295	6542106.8055	151.25	39.28	111.97	
MW-9	08/20/13	1808949.6295	6542106.8055	151.25	--	--	Dry

Table 1
Summary of Potentiometric Surface Elevations

 Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-9	11/12/13	1808949.6295	6542106.8055	151.25	--	--	Dry
MW-9	02/10/14	1808949.6295	6542106.8055	151.25	--	--	Dry
MW-10	03/23/04	1808960.7764	6542159.3225	151.34	36.20	115.14	
MW-10	06/16/04	1808960.7764	6542159.3225	151.34	36.48	114.86	
MW-10	09/09/04	1808960.7764	6542159.3225	151.34	37.84	113.50	
MW-10	12/01/04	1808960.7764	6542159.3225	151.34	39.33	112.01	
MW-10	02/17/05	1808960.7764	6542159.3225	151.34	38.84	112.50	
MW-10	05/16/05	1808960.7764	6542159.3225	151.34	32.04	119.30	
MW-10	08/11/05	1808960.7764	6542159.3225	151.34	28.90	122.44	
MW-10	11/07/05	1808960.7764	6542159.3225	151.34	29.42	121.92	
MW-10	02/07/06	1808960.7764	6542159.3225	151.34	30.47	120.87	
MW-10	05/03/06	1808960.7764	6542159.3225	151.34	28.45	122.89	
MW-10	07/05/06	1808960.7764	6542159.3225	151.34	27.97	123.37	
MW-10	10/10/06	1808960.7764	6542159.3225	151.34	29.55	121.79	
MW-10	01/25/07	1808960.7764	6542159.3225	151.34	30.32	121.02	
MW-10	05/22/07	1808960.7764	6542159.3225	151.34	28.48	122.86	
MW-10	08/16/07	1808960.7764	6542159.3225	151.34	30.34	121.00	
MW-10	11/08/07	1808960.7764	6542159.3225	151.34	34.12	117.22	
MW-10	02/19/08	1808960.7764	6542159.3225	151.34	35.38	115.96	
MW-10	05/14/08	1808960.7764	6542159.3225	151.34	34.15	117.19	
MW-10	08/12/08	1808960.7764	6542159.3225	151.34	35.93	115.41	
MW-10	10/16/08	1808960.7764	6542159.3225	151.34	37.67	113.67	
MW-10	02/26/09	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	05/14/09	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	08/20/09	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	11/12/09	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	02/09/10	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	05/13/10	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	08/04/10	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	11/04/10	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	02/23/11	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	05/12/11	1808960.7764	6542159.3225	151.34	--	--	Dry
MW-10	08/10/11	1808960.7764	6542159.3225	151.34	37.96	113.38	
MW-10	11/15/11	1808960.7764	6542159.3225	151.34	35.62	115.72	
MW-10	02/16/12	1808960.7764	6542159.3225	151.41	35.00	116.41	
MW-10	05/30/12	1808960.7764	6542159.3225	151.41	34.89	116.52	
MW-10	08/22/12	1808960.7764	6542159.3225	151.41	35.73	115.68	
MW-10	11/14/12	1808960.7764	6542159.3225	151.41	37.63	113.78	
MW-10	02/11/13	1808960.7764	6542159.3225	151.41	39.15	112.26	
MW-10	05/13/13	1808960.7764	6542159.3225	151.41	39.91	111.50	
MW-10	08/20/13	1808960.7764	6542159.3225	151.41	--	--	Dry
MW-10	11/12/13	1808960.7764	6542159.3225	151.41	--	--	Dry
MW-10	02/10/14	1808960.7764	6542159.3225	151.41	--	--	Dry
MW-11	03/23/04	1808919.9698	6542161.3447	151.39	36.11	115.28	
MW-11	06/16/04	1808919.9698	6542161.3447	151.39	36.45	114.94	
MW-11	09/09/04	1808919.9698	6542161.3447	151.39	37.64	113.75	
MW-11	12/01/04	1808919.9698	6542161.3447	151.39	39.36	112.03	
MW-11	02/17/05	1808919.9698	6542161.3447	151.39	38.86	112.53	
MW-11	05/16/05	1808919.9698	6542161.3447	151.39	32.02	119.37	

Table 1**Summary of Potentiometric Surface Elevations**

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-11	08/11/05	1808919.9698	6542161.3447	151.39	29.02	122.37	
MW-11	11/07/05	1808919.9698	6542161.3447	151.39	29.46	121.93	
MW-11	02/07/06	1808919.9698	6542161.3447	151.39	30.51	120.88	
MW-11	05/03/06	1808919.9698	6542161.3447	151.39	28.49	122.90	
MW-11	07/05/06	1808919.9698	6542161.3447	151.39	28.05	123.34	
MW-11	10/10/06	1808919.9698	6542161.3447	151.39	29.60	121.79	
MW-11	01/25/07	1808919.9698	6542161.3447	151.39	30.33	121.06	
MW-11	05/22/07	1808919.9698	6542161.3447	151.39	28.60	122.79	
MW-11	08/16/07	1808919.9698	6542161.3447	151.39	30.57	120.82	
MW-11	11/08/07	1808919.9698	6542161.3447	151.39	34.03	117.36	
MW-11	02/19/08	1808919.9698	6542161.3447	151.39	35.37	116.02	
MW-11	05/14/08	1808919.9698	6542161.3447	151.39	34.07	117.32	
MW-11	08/12/08	1808919.9698	6542161.3447	151.39	35.90	115.49	
MW-11	10/16/08	1808919.9698	6542161.3447	151.39	37.40	113.99	
MW-11	02/26/09	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	05/14/09	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	08/20/09	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	11/12/09	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	02/09/10	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	05/13/10	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	08/04/10	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	11/04/10	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	02/23/11	1808919.9698	6542161.3447	151.39	--	--	Dry
MW-11	05/12/11	1808919.9698	6542161.3447	151.39	40.86	110.53	
MW-11	08/10/11	1808919.9698	6542161.3447	151.39	38.68	112.71	
MW-11	11/15/11	1808919.9698	6542161.3447	151.39	35.57	115.82	
MW-11	02/16/12	1808919.9698	6542161.3447	151.46	35.15	116.31	
MW-11	05/30/12	1808919.9698	6542161.3447	151.46	34.91	116.55	
MW-11	08/22/12	1808919.9698	6542161.3447	151.46	35.55	115.91	
MW-11	11/14/12	1808919.9698	6542161.3447	151.46	37.28	114.18	
MW-11	02/11/13	1808919.9698	6542161.3447	151.46	38.90	112.56	
MW-11	05/13/13	1808919.9698	6542161.3447	151.46	40.28	111.18	
MW-11	08/20/13	1808919.9698	6542161.3447	151.46	41.96	109.50	
MW-11	11/12/13	1808919.9698	6542161.3447	151.46	--	--	Dry
MW-11	02/10/14	1808919.9698	6542161.3447	151.46	--	--	Dry
MW-12	03/23/04	1808882.2468	6542235.0537	151.35	36.02	115.33	
MW-12	06/16/04	1808882.2468	6542235.0537	151.35	36.40	114.95	
MW-12	09/09/04	1808882.2468	6542235.0537	151.35	37.81	113.54	
MW-12	12/01/04	1808882.2468	6542235.0537	151.35	39.78	111.57	
MW-12	02/17/05	1808882.2468	6542235.0537	151.35	39.34	112.01	
MW-12	05/16/05	1808882.2468	6542235.0537	151.35	32.08	119.27	
MW-12	08/11/05	1808882.2468	6542235.0537	151.35	29.12	122.23	
MW-12	11/07/05	1808882.2468	6542235.0537	151.35	29.54	121.81	
MW-12	02/07/06	1808882.2468	6542235.0537	151.35	30.44	120.91	
MW-12	05/03/06	1808882.2468	6542235.0537	151.35	28.46	122.89	
MW-12	07/05/06	1808882.2468	6542235.0537	151.35	28.15	123.20	
MW-12	10/10/06	1808882.2468	6542235.0537	151.35	29.60	121.75	
MW-12	01/25/07	1808882.2468	6542235.0537	151.35	30.30	121.05	
MW-12	05/22/07	1808882.2468	6542235.0537	151.35	28.61	122.74	

Table 1**Summary of Potentiometric Surface Elevations**

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-12	08/16/07	1808882.2468	6542235.0537	151.35	30.60	120.75	
MW-12	11/08/07	1808882.2468	6542235.0537	151.35	34.07	117.28	
MW-12	02/19/08	1808882.2468	6542235.0537	151.35	35.40	115.95	
MW-12	05/13/08	1808882.2468	6542235.0537	151.35	34.00	117.35	
MW-12	08/12/08	1808882.2468	6542235.0537	151.35	36.03	115.32	
MW-12	10/16/08	1808882.2468	6542235.0537	151.35	37.77	113.58	
MW-12	02/26/09	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	05/14/09	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	08/20/09	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	11/12/09	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	02/09/10	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	05/13/10	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	08/04/10	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	11/04/10	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	02/23/11	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	05/12/11	1808882.2468	6542235.0537	151.35	--	--	Dry
MW-12	08/10/11	1808882.2468	6542235.0537	151.35	37.44	113.91	
MW-12	11/15/11	1808882.2468	6542235.0537	151.35	35.88	115.47	
MW-12	02/16/12	1808882.2468	6542235.0537	151.42	35.18	116.24	
MW-12	05/30/12	1808882.2468	6542235.0537	151.42	34.97	116.45	
MW-12	08/22/12	1808882.2468	6542235.0537	151.42	35.78	115.64	
MW-12	11/14/12	1808882.2468	6542235.0537	151.42	37.51	113.91	
MW-12	02/11/13	1808882.2468	6542235.0537	151.42	39.26	112.16	
MW-12	05/13/13	1808882.2468	6542235.0537	151.42	--	--	Dry
MW-12	08/20/13	1808882.2468	6542235.0537	151.42	--	--	Dry
MW-12	11/12/13	1808882.2468	6542235.0537	151.42	--	--	Dry
MW-12	02/10/14	1808882.2468	6542235.0537	151.42	--	--	Dry
MW-14	03/23/04	1809009.9622	6542038.2203	150.65	37.86	112.79	
MW-14	06/16/04	1809009.9622	6542038.2203	150.65	36.16	114.49	
MW-14	09/09/04	1809009.9622	6542038.2203	150.65	37.84	112.81	
MW-14	12/01/04	1809009.9622	6542038.2203	150.65	38.94	111.71	
MW-14	02/17/05	1809009.9622	6542038.2203	150.65	38.16	112.49	
MW-14	05/16/05	1809009.9622	6542038.2203	150.65	30.15	120.50	
MW-14	08/11/05	1809009.9622	6542038.2203	150.65	27.98	122.67	
MW-14	11/07/05	1809009.9622	6542038.2203	150.65	28.85	121.80	
MW-14	02/07/06	1809009.9622	6542038.2203	150.65	29.90	120.75	
MW-14	05/03/06	1809009.9622	6542038.2203	150.65	27.45	123.20	
MW-14	07/05/06	1809009.9622	6542038.2203	150.65	27.29	123.36	
MW-14	10/10/06	1809009.9622	6542038.2203	150.65	29.10	121.55	
MW-14	01/25/07	1809009.9622	6542038.2203	150.65	29.67	120.98	
MW-14	05/22/07	1809009.9622	6542038.2203	150.65	27.57	123.08	
MW-14	08/16/07	1809009.9622	6542038.2203	150.65	30.15	120.50	
MW-14	11/08/07	1809009.9622	6542038.2203	150.65	34.06	116.59	
MW-14	02/18/08	1809009.9622	6542038.2203	150.65	35.00	115.65	
MW-14	05/14/08	1809009.9622	6542038.2203	150.65	33.47	117.18	
MW-14	08/12/08	1809009.9622	6542038.2203	150.65	35.72	114.93	
MW-14	10/16/08	1809009.9622	6542038.2203	150.65	37.67	112.98	
MW-14	02/26/09	1809009.9622	6542038.2203	150.65	40.21	110.44	
MW-14	05/14/09	1809009.9622	6542038.2203	150.65	41.16	109.49	

Table 1
Summary of Potentiometric Surface Elevations

 Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-14	08/20/09	1809009.9622	6542038.2203	150.65	42.32	108.33	
MW-14	11/12/09	1809009.9622	6542038.2203	150.65	--	--	Dry
MW-14	02/09/10	1809009.9622	6542038.2203	150.65	--	--	Dry
MW-14	05/13/10	1809009.9622	6542038.2203	150.65	--	--	Dry
MW-14	08/04/10	1809009.9622	6542038.2203	150.65	42.41	108.24	
MW-14	11/04/10	1809009.9622	6542038.2203	150.65	--	--	Dry
MW-14	02/23/11	1809009.9622	6542038.2203	150.65	41.23	109.42	
MW-14	05/12/11	1809009.9622	6542038.2203	150.65	39.00	111.65	
MW-14	08/10/11	1809009.9622	6542038.2203	150.65	34.50	116.15	
MW-14	11/15/11	1809009.9622	6542038.2203	150.65	34.46	116.19	
MW-14	02/16/12	1809009.9622	6542038.2203	150.72	33.70	117.02	
MW-14	05/30/12	1809009.9622	6542038.2203	150.72	33.80	116.92	
MW-14	08/22/12	1809009.9622	6542038.2203	150.72	34.87	115.85	
MW-14	11/14/12	1809009.9622	6542038.2203	150.72	36.85	113.87	
MW-14	02/11/13	1809009.9622	6542038.2203	150.72	38.65	112.07	
MW-14	05/13/13	1809009.9622	6542038.2203	150.72	39.15	111.57	
MW-14	08/20/13	1809009.9622	6542038.2203	150.72	40.87	109.85	
MW-14	11/12/13	1809009.9622	6542038.2203	150.72	--	--	Dry
MW-14	02/10/14	1809009.9622	6542038.2203	150.72	--	--	Dry
MW-15	08/12/08	1808981.55	6542031.38	149.98	48.67	101.31	
MW-15	10/16/08	1808981.55	6542031.38	149.98	52.40	97.58	
MW-15	02/26/09	1808981.55	6542031.38	149.98	54.00	95.98	
MW-15	05/14/09	1808981.55	6542031.38	149.98	53.90	96.08	
MW-15	08/20/09	1808981.55	6542031.38	149.98	57.89	92.09	
MW-15	11/12/09	1808981.55	6542031.38	149.98	60.75	89.23	
MW-15	02/09/10	1808981.55	6542031.38	149.98	59.40	90.58	
MW-15	05/13/10	1808981.55	6542031.38	149.98	53.75	96.23	
MW-15	08/04/10	1808981.55	6542031.38	149.98	55.48	94.50	
MW-15	11/04/10	1808981.55	6542031.38	149.98	57.42	92.56	
MW-15	02/23/11	1808981.55	6542031.38	149.98	51.00	98.98	
MW-15	05/12/11	1808981.55	6542031.38	149.98	44.39	105.59	
MW-15	08/10/11	1808981.55	6542031.38	149.98	41.33	108.65	
MW-15	11/15/11	1808981.55	6542031.38	149.98	43.72	106.26	
MW-15	02/16/12	1808981.55	6542031.38	149.98	42.32	107.66	
MW-15	05/30/12	1808981.55	6542031.38	149.98	43.20	106.78	
MW-15	08/22/12	1808981.55	6542031.38	149.98	46.23	103.75	
MW-15	11/14/12	1808981.55	6542031.38	149.98	50.04	99.94	
MW-15	02/11/13	1808981.55	6542031.38	149.98	50.08	99.90	
MW-15	05/13/13	1808981.55	6542031.38	149.98	51.48	98.50	
MW-15	08/20/13	1808981.55	6542031.38	149.98	54.33	95.65	
MW-15	11/12/13	1808981.55	6542031.38	149.98	58.02	91.96	
MW-15	02/10/14	1808981.55	6542031.38	149.98	60.20	89.78	
MW-16/ART	10/16/08	1809009.43	6542094.28	150.35	36.92	113.43	
MW-16/ART	02/26/09	1809009.43	6542094.28	150.35	--	--	Not Accessible
MW-16/ART	05/13/13	1809009.43	6542094.28	150.35	31.71	118.64	
MW-16/ART	08/20/13	1809009.43	6542094.28	150.35	--	--	Dry
MW-16/ART	11/12/13	1809009.43	6542094.28	150.35	33.30	117.05	
MW-16/ART	02/10/14	1809009.43	6542094.28	150.35	--	--	
MW-17	08/12/08	1809090.9	6542066.4	151.15	36.50	114.65	

Table 1
Summary of Potentiometric Surface Elevations

 Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-17	10/16/08	1809090.9	6542066.4	151.15	38.80	112.35	
MW-17	02/26/09	1809090.9	6542066.4	151.15	41.68	109.47	
MW-17	05/14/09	1809090.9	6542066.4	151.15	42.30	108.85	
MW-17	08/20/09	1809090.9	6542066.4	151.15	43.98	107.17	
MW-17	11/12/09	1809090.9	6542066.4	151.15	45.75	105.40	
MW-17	02/09/10	1809090.9	6542066.4	151.15	46.70	104.45	
MW-17	05/13/10	1809090.9	6542066.4	151.15	45.68	105.47	
MW-17	08/04/10	1809090.9	6542066.4	151.15	44.59	106.56	
MW-17	11/04/10	1809090.9	6542066.4	151.15	45.14	106.01	
MW-17	02/23/11	1809090.9	6542066.4	151.15	43.84	107.31	
MW-17	05/12/11	1809090.9	6542066.4	151.15	40.07	111.08	
MW-17	08/10/11	1809090.9	6542066.4	151.15	34.98	116.17	
MW-17	11/15/11	1809090.9	6542066.4	151.15	35.05	116.10	
MW-17	02/16/12	1809090.9	6542066.4	151.15	34.02	117.13	
MW-17	05/30/12	1809090.9	6542066.4	151.15	34.24	116.91	
MW-17	08/22/12	1809090.9	6542066.4	151.15	39.57	111.58	
MW-17	11/14/12	1809090.9	6542066.4	151.15	37.87	113.28	
MW-17	02/11/13	1809090.9	6542066.4	151.15	39.59	111.56	
MW-17	05/13/13	1809090.9	6542066.4	151.15	39.97	111.18	
MW-17	08/20/13	1809090.9	6542066.4	151.15	41.32	109.83	
MW-17	11/12/13	1809090.9	6542066.4	151.15	42.78	108.37	
MW-17	02/10/14	1809090.9	6542066.4	151.15	--	--	Dry
MW-18	08/12/08	1809079.87	6542281.55	149.22	34.28	114.94	
MW-18	10/16/08	1809079.87	6542281.55	149.22	36.52	112.70	
MW-18	02/26/09	1809079.87	6542281.55	149.22	39.94	109.28	
MW-18	05/14/09	1809079.87	6542281.55	149.22	40.65	108.57	
MW-18	08/20/09	1809079.87	6542281.55	149.22	41.67	107.55	
MW-18	11/12/09	1809079.87	6542281.55	149.22	43.10	106.12	
MW-18	02/09/10	1809079.87	6542281.55	149.22	45.19	104.03	
MW-18	05/13/10	1809079.87	6542281.55	149.22	43.85	105.37	
MW-18	08/04/10	1809079.87	6542281.55	149.22	42.38	106.84	
MW-18	11/04/10	1809079.87	6542281.55	149.22	43.03	106.19	
MW-18	02/23/11	1809079.87	6542281.55	149.22	41.95	107.27	
MW-18	05/12/11	1809079.87	6542281.55	149.22	38.37	110.85	
MW-18	08/10/11	1809079.87	6542281.55	149.22	33.14	116.08	
MW-18	11/15/11	1809079.87	6542281.55	149.22	33.45	115.77	
MW-18	02/16/12	1809079.87	6542281.55	149.22	32.32	116.90	
MW-18	05/30/12	1809079.87	6542281.55	149.22	32.39	116.83	
MW-18	08/22/12	1809079.87	6542281.55	149.22	33.63	115.59	
MW-18	11/14/12	1809079.87	6542281.55	149.22	35.82	113.40	
MW-18	02/11/13	1809079.87	6542281.55	149.22	37.34	111.88	
MW-18	05/13/13	1809079.87	6542281.55	149.22	37.80	111.42	
MW-18	08/20/13	1809079.87	6542281.55	149.22	39.28	109.94	
MW-18	11/12/13	1809079.87	6542281.55	149.22	40.81	108.41	
MW-18	02/10/14	1809079.87	6542281.55	149.22	43.02	106.20	
MW-19	08/12/08	1809079.47	6542277.98	149.23	37.85	111.38	
MW-19	10/16/08	1809079.47	6542277.98	149.23	40.53	108.70	
MW-19	02/26/09	1809079.47	6542277.98	149.23	43.90	105.33	
MW-19	05/14/09	1809079.47	6542277.98	149.23	43.56	105.67	

Table 1
Summary of Potentiometric Surface Elevations

 Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
MW-19	08/20/09	1809079.47	6542277.98	149.23	45.56	103.67	
MW-19	11/12/09	1809079.47	6542277.98	149.23	47.54	101.69	
MW-19	02/09/10	1809079.47	6542277.98	149.23	48.85	100.38	
MW-19	05/13/10	1809079.47	6542277.98	149.23	46.26	102.97	
MW-19	08/04/10	1809079.47	6542277.98	149.23	45.35	103.88	
MW-19	11/04/10	1809079.47	6542277.98	149.23	46.25	102.98	
MW-19	02/23/11	1809079.47	6542277.98	149.23	44.05	105.18	
MW-19	05/12/11	1809079.47	6542277.98	149.23	38.75	110.48	
MW-19	08/10/11	1809079.47	6542277.98	149.23	34.39	114.84	
MW-19	11/15/11	1809079.47	6542277.98	149.23	35.60	113.63	
MW-19	02/16/12	1809079.47	6542277.98	149.23	34.25	114.98	
MW-19	05/30/12	1809079.47	6542277.98	149.23	34.70	114.53	
MW-19	08/22/12	1809079.47	6542277.98	149.23	36.54	112.69	
MW-19	11/14/12	1809079.47	6542277.98	149.23	39.31	109.92	
MW-19	02/11/13	1809079.47	6542277.98	149.23	40.28	108.95	
MW-19	05/13/13	1809079.47	6542277.98	149.23	40.95	108.28	
MW-19	08/20/13	1809079.47	6542277.98	149.23	42.80	106.43	
MW-19	11/12/13	1809079.47	6542277.98	149.23	44.94	104.29	
MW-19	02/10/14	1809079.47	6542277.98	149.23	47.07	102.16	
MW-20	11/14/12	1808999.35	6542069.70	151.19	50.38	100.81	
MW-20	02/11/13	1808999.35	6542069.70	151.19	50.98	100.21	
MW-20	05/13/13	1808999.35	6542069.70	151.19	52.47	98.72	
MW-20	08/20/13	1808999.35	6542069.70	151.19	54.68	96.51	
MW-20	11/12/13	1808999.35	6542069.70	151.19	58.65	92.54	
MW-20	02/10/14	1808999.35	6542069.70	151.19	61.17	90.02	
VW-1	10/10/06	1808995.91	6542096.57	150.91	28.95	121.96	
VW-1	01/25/07	1808995.91	6542096.57	150.91	29.90	121.01	
VW-1	05/22/07	1808995.91	6542096.57	150.91	27.92	122.99	
VW-1	08/16/07	1808995.91	6542096.57	150.91	30.03	120.88	
VW-1	11/08/07	1808995.91	6542096.57	150.91	33.86	117.05	
VW-1	02/19/08	1808995.91	6542096.57	150.91	35.25	115.66	
VW-1	05/14/08	1808995.91	6542096.57	150.91	33.62	117.29	
VW-1	08/12/08	1808995.91	6542096.57	150.91	35.58	115.33	
VW-1	10/16/08	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	02/26/09	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	05/14/09	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	08/20/09	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	11/12/09	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	02/09/10	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	05/13/10	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	08/04/10	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	11/04/10	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	02/23/11	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	05/12/11	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	08/10/11	1808995.91	6542096.57	150.91	--	--	Dry
VW-1	11/15/11	1808995.91	6542096.57	150.91	34.40	116.51	
VW-1	02/16/12	1808995.91	6542096.57	150.98	33.83	117.15	
VW-1	05/30/12	1808995.91	6542096.57	150.98	34.40	116.58	
VW-1	08/22/12	1808995.91	6542096.57	150.98	35.23	115.75	

Table 1
Summary of Potentiometric Surface Elevations

 Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
VW-1	11/14/12	1808995.91	6542096.57	150.98	--	--	Dry
VW-1	02/11/13	1808995.91	6542096.57	150.98	--	--	Dry
VW-1	05/13/13	1808995.91	6542096.57	150.98	--	--	Dry
VW-1	08/20/13	1808995.91	6542096.57	150.98	--	--	Dry
VW-1	11/12/13	1808995.91	6542096.57	150.98	--	--	Dry
VW-1	02/10/14	1808995.91	6542096.57	150.98	--	--	Dry
VW-2	10/10/06	1808996.13	6542089.75	150.67	28.85	121.82	
VW-2	01/25/07	1808996.13	6542089.75	150.67	29.68	120.99	
VW-2	05/22/07	1808996.13	6542089.75	150.67	27.68	122.99	
VW-2	08/16/07	1808996.13	6542089.75	150.67	29.84	120.83	
VW-2	11/08/07	1808996.13	6542089.75	150.67	33.72	116.95	
VW-2	02/19/08	1808996.13	6542089.75	150.67	34.89	115.78	
VW-2	05/14/08	1808996.13	6542089.75	150.67	33.39	117.28	
VW-2	08/12/08	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	10/16/08	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	02/26/09	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	05/14/09	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	08/20/09	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	11/12/09	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	02/09/10	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	05/13/10	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	08/04/10	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	11/04/10	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	02/23/11	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	05/12/11	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	08/10/11	1808996.13	6542089.75	150.67	--	--	Dry
VW-2	11/15/11	1808996.13	6542089.75	150.67	33.85	116.82	
VW-2	02/16/12	1808996.13	6542089.75	150.74	33.26	117.48	
VW-2	05/30/12	1808996.13	6542089.75	150.74	33.32	117.42	
VW-2	08/22/12	1808996.13	6542089.75	150.74	34.42	116.32	
VW-2	11/14/12	1808996.13	6542089.75	150.74	--	--	Dry
VW-2	02/11/13	1808996.13	6542089.75	150.74	--	--	Dry
VW-2	05/13/13	1808996.13	6542089.75	150.74	--	--	Dry
VW-2	08/20/13	1808996.13	6542089.75	150.74	--	--	Dry
VW-2	11/12/13	1808996.13	6542089.75	150.74	--	--	Dry
VW-2	02/10/14	1808996.13	6542089.75	150.74	--	--	Dry
VW-3	10/10/06	1808996.28	6542084.29	150.56	28.85	121.71	
VW-3	01/25/07	1808996.28	6542084.29	150.56	29.55	121.01	
VW-3	05/22/07	1808996.28	6542084.29	150.56	27.55	123.01	
VW-3	08/16/07	1808996.28	6542084.29	150.56	29.76	120.80	
VW-3	11/08/07	1808996.28	6542084.29	150.56	33.59	116.97	
VW-3	02/19/08	1808996.28	6542084.29	150.56	35.20	115.36	
VW-3	05/14/08	1808996.28	6542084.29	150.56	33.33	117.23	
VW-3	08/12/08	1808996.28	6542084.29	150.56	35.33	115.23	
VW-3	10/16/08	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	02/26/09	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	05/14/09	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	08/20/09	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	11/12/09	1808996.28	6542084.29	150.56	--	--	Dry

Table 1**Summary of Potentiometric Surface Elevations**

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
VW-3	02/09/10	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	05/13/10	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	08/04/10	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	11/04/10	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	02/23/11	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	05/12/11	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	08/10/11	1808996.28	6542084.29	150.56	--	--	Dry
VW-3	11/15/11	1808996.28	6542084.29	150.56	33.83	116.73	
VW-3	02/16/12	1808996.28	6542084.29	150.63	33.10	117.53	
VW-3	05/30/12	1808996.28	6542084.29	150.63	33.35	117.28	
VW-3	08/22/12	1808996.28	6542084.29	150.63	34.40	116.23	
VW-3	11/14/12	1808996.28	6542084.29	150.63	--	--	Dry
VW-3	02/11/13	1808996.28	6542084.29	150.63	--	--	Dry
VW-3	05/13/13	1808996.28	6542084.29	150.63	--	--	Dry
VW-3	08/20/13	1808996.28	6542084.29	150.63	--	--	Dry
VW-3	11/12/13	1808996.28	6542084.29	150.63	--	--	Dry
VW-3	02/10/14	1808996.28	6542084.29	150.63	--	--	Dry
VW-4	10/10/06	1809015.93	6542086.40	150.69	28.85	121.84	
VW-4	01/25/07	1809015.93	6542086.40	150.69	29.64	121.05	
VW-4	05/22/07	1809015.93	6542086.40	150.69	27.65	123.04	
VW-4	08/16/07	1809015.93	6542086.40	150.69	29.97	120.72	
VW-4	11/08/07	1809015.93	6542086.40	150.69	33.80	116.89	
VW-4	02/19/08	1809015.93	6542086.40	150.69	34.98	115.71	
VW-4	05/14/08	1809015.93	6542086.40	150.69	33.40	117.29	
VW-4	08/12/08	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	10/16/08	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	02/26/09	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	05/14/09	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	08/20/09	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	11/12/09	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	02/09/10	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	05/13/10	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	08/04/10	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	11/04/10	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	02/23/11	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	05/12/11	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	08/10/11	1809015.93	6542086.40	150.69	--	--	Dry
VW-4	11/15/11	1809015.93	6542086.40	150.69	--	--	Hooked up to system
VW-4	02/16/12	1809015.93	6542086.40	150.76	--	--	Hooked up to system
VW-4	05/30/12	1809015.93	6542086.40	150.76	--	--	Hooked up to system
VW-4	08/22/12	1809015.93	6542086.40	150.76	--	--	Hooked up to system
VW-4	11/14/12	1809015.93	6542086.40	150.76	--	--	Hooked up to system
VW-4	02/11/13	1809015.93	6542086.40	150.76	--	--	Dry
VW-4	05/13/13	1809015.93	6542086.40	150.76	--	--	Dry
VW-4	08/20/13	1809015.93	6542086.40	150.76	--	--	Dry
VW-4	11/12/13	1809015.93	6542086.40	150.76	--	--	Dry
VW-4	02/10/14	1809015.93	6542086.40	150.76	--	--	Dry

Table 1

Summary of Potentiometric Surface Elevations

Bodycote Thermal Processing, Techni-Braze Facility
 Santa Fe Springs, CA
 CM010272.0022

Well ID	Date Measured	Northing	Easting	Casing Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)	Comment
---------	---------------	----------	---------	------------------------------	--------------------------	-----------------------------------	---------

Notes:

ft-msl = Feet above mean sea level

-- = Not Applicable

QA/QC SC0

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of Volatile Organic Compounds (µg/L)															
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
MCA-1	MCA1-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,200	<0.50	95	<1.0	--
MCA-1	MCA1-061604	06/16/04	1.4	<1.0	<1.0	<1.0	1.3	--	<1.0	<1.0	<0.50	<1.0	<0.50	2,100	<0.50	110	--	--
MCA-1	MCA1-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,500	<0.50	120	<1.0	--
MCA-1	MCA1-120204	12/02/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	1.4	<1.0	<0.50	<1.0	<0.50	8,000	<0.50	140	<1.0	--
MCA-1	MCA1-021705	02/17/05	2.6	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,100	<0.50	140	<1.0	--
MCA-1	MCA1-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	2.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,900	<0.50	110	<1.0	--
MCA-1	MCA1-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	620	<0.50	33	<1.0	--
MCA-1	MCA1-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	760	<0.50	23	<1.0	--
MCA-1	MCA1-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	920	<0.50	26	<1.0	--
MCA-1	MCA1-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	560	<0.50	28	<1.0	--
MCA-1	MCA1-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	700	<0.50	11	<1.0	--
MCA-1	MCA1-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	730	<0.50	18	<1.0	--
MCA-1	MCA-1	01/26/07	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	480	<0.50	19	<1.0	--
MCA-1	DUP-1	05/23/07	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	190	<0.50	14	<1.0	--
MCA-1	MCA-1	08/17/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	570	<0.50	15	<1.0	--
MCA-1	MCA-1	11/08/07	<1.0	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,900	<0.50	66	<1.0	--
MCA-1	MCA-1	02/19/08	<1.0	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,800	<0.50	95	<1.0	--
MCA-1	MCA-1	05/14/08	2.9	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,700	<0.50	100	<1.0	--
MCA-1	MCA-1	08/15/08	1.7	<1.0	<1.0	<1.0	2.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6,100	<0.50	120	<1.0	--
MCA-1	MCA-1	10/17/08	<1.0	<1.0	<1.0	<1.0	6.5	<0.50	2.0	<1.0	<0.50	<1.0	<0.50	3,800	<0.50	58	<1.0	--
MCA-1	MCA-1	08/10/11	<1.0	<1.0	<1.0	<1.0	7.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	850	<0.50	36	<1.0	--
MCA-1	MCA-1	11/15/11	<1.0	<1.0	<1.0	<1.0	4.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	580	<0.50	59	<1.0	--
MCA-1	MCA-1	02/17/12	1.6	<1.0	<1.0	<1.0	3.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,400	<0.50	77	<1.0	--
MCA-1	MCA-1	05/31/12	<1.0	<1.0	<1.0	<1.0	2.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,500	<0.50	73	<1.0	--
MCA-1	MCA-1	08/24/12	<1.0	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	940	<0.50	87	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled																
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MCA-1	MCA-1	11/16/12	<1.0	<1.0	<1.0	<1.0	4.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,700	<0.50	87	<1.0	--
MCA-1	MCA-1	02/13/13	<1.0	<1.0	<1.0	<1.0	2.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,800	<0.50	71	<1.0	--
MCA-1	MCA-1	05/15/13	<1.0	<1.0	<1.0	<1.0	2.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,400	0.82	62	<1.0	--
MCA-2	MCA2-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	2.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,000	<0.50	22	<1.0	--
MCA-2	MCA2-061604	06/16/04	2.4	<1.0	<1.0	<1.0	3.3	--	<1.0	<1.0	<0.50	<1.0	<0.50	3,000	<0.50	35	--	--
MCA-2	MCA2-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,300	<0.50	21	<1.0	--
MCA-2	MCA2-120204	12/02/04	<1.0	3.5	<1.0	<1.0	14	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,300	<0.50	17	<1.0	--
MCA-2	MCA2-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	490	<0.50	6.7	<1.0	--
MCA-2	MCA2-051705	05/17/05	<1.0	3.6	<1.0	<1.0	16	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,500	<0.50	19	<1.0	--
MCA-2	MCA2-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	8.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	900	<0.50	25	<1.0	--
MCA-2	MCA2-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	8.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,000	<0.50	12	<1.0	--
MCA-2	MCA2-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,100	<0.50	27	<1.0	--
MCA-2	MCA2-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	21	<1.0	--
MCA-2	MCA-2-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	670	<0.50	<1.0	<1.0	--
MCA-2	MCA-2-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	890	<0.50	8.6	<1.0	--
MCA-2	MCA-2	01/26/07	<1.0	<1.0	<1.0	<1.0	12	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	530	<0.50	10	<1.0	--
MCA-2	MCA-2	05/23/07	<1.0	<1.0	<1.0	<1.0	2.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	740	<0.50	12	<1.0	--
MCA-2	MCA-2	08/17/07	<1.0	<1.0	<1.0	<1.0	7.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	940	<0.50	9.9	<1.0	--
MCA-2	MCA-2	11/08/07	<1.0	<1.0	<1.0	1.6	26	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	540	<0.50	10	<1.0	--
MCA-2	MCA-2	02/18/08	<1.0	<1.0	<1.0	3.0	51	<0.50	1.8	<1.0	<0.50	<1.0	<0.50	460	<0.50	11	<1.0	--
MCA-2	MCA-2	05/13/08	<1.0	<1.0	<1.0	2.5	30	0.77	1.5	<1.0	<0.50	<1.0	<0.50	240	<0.50	9.6	<1.0	--
MCA-2	MCA-2	08/14/08	<1.0	<1.0	<1.0	2.8	39	0.64	2.0	<1.0	<0.50	<1.0	<0.50	530	<0.50	9.1	<1.0	--
MCA-2	MCA-2	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	22	<0.50	4.4	<1.0	--
MCA-2	MCA-2	11/16/11	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	38	<0.50	13	<1.0	--
MCA-2	MCA-2	02/17/12	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	60	<0.50	14	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of VOCs (µg/L)														
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	
MCA-2	MCA-2	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	35	<0.50	8.7	<1.0
MCA-2	MCA-2	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	27	<0.50	5.8	<1.0
MCA-2	MCA-2	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	18	<0.50	4.0	<1.0
MCA-3	MCA3-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	6.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	220	<0.50	2.9	<1.0
MCA-3	MCA3-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	12	--	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	3.3	--
MCA-3	MCA3-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	170	<0.50	3.4	<1.0
MCA-3	MCA3-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	19	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	200	<0.50	3.8	<1.0
MCA-3	MCA3-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	15	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	160	<0.50	3.9	<1.0
MCA-3	MCA3-051705	05/17/05	<1.0	<1.0	2.1	12	280	4.6	<1.0	<1.0	<0.50	<1.0	<0.50	440	<0.50	36	<1.0
MCA-3	MCA3-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	86	<0.50	5.2	<1.0	<0.50	<1.0	<0.50	350	<0.50	25	<1.0
MCA-3	MCA3-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0
MCA-3	MCA3-020806	02/08/06	<1.0	<1.0	<1.0	10	210	<0.50	6.0	<1.0	<0.50	<1.0	<0.50	260	<0.50	22	<1.0
MCA-3	MCA3-050406	05/04/06	<1.0	<1.0	<1.0	7.1	140	<0.50	4.6	<1.0	<0.50	<1.0	<0.50	300	<0.50	18	<1.0
MCA-3	MCA-3-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	96	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	540	<0.50	14	<1.0
MCA-3	MCA-3-101006	10/10/06	<1.0	<1.0	<1.0	4.2	72	<0.50	3.1	<1.0	<0.50	<1.0	<0.50	180	<0.50	11	<1.0
MCA-3	MCA-3	01/26/07	<1.0	<1.0	<1.0	1.9	47	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	94	<0.50	7.0	<1.0
MCA-3	MCA-3	05/22/07	<1.0	<1.0	<1.0	1.8	46	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	170	<0.50	6.0	<1.0
MCA-3	MCA-3	08/16/07	<1.0	<1.0	<1.0	1.5	33	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	98	<0.50	5.5	<1.0
MCA-3	MCA-3	11/09/07	<1.0	<1.0	<1.0	3.6	61	<0.50	2.0	<1.0	<0.50	<1.0	<0.50	140	<0.50	13	<1.0
MCA-3	MCA-3	02/18/08	<1.0	<1.0	<1.0	4.6	68	<0.50	2.5	<1.0	<0.50	<1.0	<0.50	210	<0.50	14	<1.0
MCA-3	MCA-3	05/13/08	<1.0	<1.0	<1.0	4.6	44	0.91	4.1	<1.0	<0.50	<1.0	<0.50	96	<0.50	7.9	<1.0
MCA-3	MCA-3	08/14/08	<1.0	<1.0	<1.0	2.4	29	0.61	1.9	<1.0	<0.50	<1.0	<0.50	180	<0.50	7.4	<1.0
MCA-3	MCA-3	10/16/08	<1.0	<1.0	<1.0	1.3	19	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	91	<0.50	3.5	<1.0
MCA-3	MCA-3	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	24	<0.50	1.8	<1.0
MCA-3	MCA-3	11/15/11	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	30	<0.50	3.6	<1.0

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of Volatile Organic Compounds (µg/L)															
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
MCA-3	MCA-3	02/17/12	<1.0	<1.0	<1.0	<1.0	1.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	44	<0.50	3.5	<1.0	--
MCA-3	MCA-3	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	17	<0.50	1.5	<1.0	--
MCA-3	MCA-3	08/23/12	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	22	<0.50	1.4	<1.0	--
MCA-3	MCA3	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.6	<0.50	<1.0	<1.0	--
MCA-4	MCA4-032404	03/24/04	4.5	<1.0	1.4	<1.0	8.3	<0.50	<1.0	1.0	<0.50	<1.0	<0.50	12,000	<0.50	22	<1.0	--
MCA-4	MCA4-061604	06/16/04	7.2	<1.0	<1.0	<1.0	9.7	--	<1.0	<1.0	<0.50	<1.0	<0.50	14,000	1.0	27	--	--
MCA-4	MCA4-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	7.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	9,700	<0.50	26	<1.0	--
MCA-4	MCA4-120204	12/02/04	4.5	<1.0	<1.0	<1.0	5.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	9,600	<0.50	18	<1.0	--
MCA-4	MCA4-021705	02/17/05	3.0	<1.0	<1.0	<1.0	6.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,600	<0.50	18	<1.0	--
MCA-4	MCA4-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	7.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,800	<0.50	11	<1.0	--
MCA-4	MCA4-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	3.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	19	<1.0	--
MCA-4	MCA4-110805	11/08/05	<1.0	1.9	<1.0	<1.0	9.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,000	<0.50	21	<1.0	--
MCA-4	MCA4-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	16	<1.0	--
MCA-4	MCA4-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	12	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,500	<0.50	21	<1.0	--
MCA-4	MCA-4-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,800	<0.50	15	<1.0	--
MCA-4	DUP-101006	10/10/06	<1.0	1.9	2.5	<1.0	7.5	<0.50	1.6	<1.0	<0.50	<1.0	<0.50	3,000	<0.50	21	<1.0	--
MCA-4	MCA-4	01/26/07	1.9	<1.0	<1.0	<1.0	8.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	15	<1.0	--
MCA-4	MCA-4	05/23/07	1.6	<1.0	<1.0	<1.0	7.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	14	<1.0	--
MCA-4	MCA-4	08/17/07	2.1	<1.0	<1.0	<1.0	5.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,200	<0.50	14	<1.0	--
MCA-4	MCA-4	11/08/07	<1.0	<1.0	<1.0	<1.0	4.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,000	<0.50	12	<1.0	--
MCA-4	MCA-4	02/19/08	1.9	<1.0	<1.0	<1.0	4.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,700	<0.50	11	<1.0	--
MCA-4	MCA-4	05/14/08	2.3	<1.0	<1.0	<1.0	3.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,200	<0.50	10	<1.0	--
MCA-4	MCA-4	08/15/08	2.0	<1.0	<1.0	<1.0	4.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,500	<0.50	13	<1.0	--
MCA-4	MCA-4	10/17/08	<1.0	<1.0	<1.0	<1.0	7.3	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	2,900	<0.50	20	<1.0	--
MCA-4	DUP-1	02/27/09	4.0	<1.0	1.7	<1.0	3.5	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	480	<0.50	15	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of VOCs (µg/L)														
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	
MCA-4	MCA-4	05/14/09	3.3	<1.0	1.8	<1.0	1.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,500	<0.50	9.1	<1.0
MCA-4	MCA-4	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	2.4	<1.0
MCA-4	MCA-4	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	620	<0.50	4.6	<1.0
MCA-4	MCA-4	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	370	<0.50	2.1	<1.0
MCA-4	MCA-4	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	73	<0.50	1.3	<1.0
MCA-4	MCA-4	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	1.6	<1.0
MCA-4	MCA-4	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	110	<0.50	1.7	<1.0
MCA-4	MCA-4	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	220	<0.50	3.1	<1.0
MCA-4	MCA-4	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	120	<0.50	6.8	<1.0
MCA-4	MCA-4	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	120	<0.50	9.1	<1.0
MCA-4	MCA-4	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	2.6	9.0	<1.0
MCA-4	MCA-4	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	270	<0.50	7.6	<1.0
MW-1	MW1-032304	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0
MW-1	MW1-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	--
MW-1	MW1-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0
MW-1	MW1-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	24	<1.0	<1.0
MW-1	MW1-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.4	1.8	<1.0	<1.0
MW-1	MW1-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0
MW-1	MW1-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0
MW-1	MW1-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0
MW-1	MW1-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0
MW-1	MW1-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0
MW-1	MW1-070506	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0
MW-1	MW1-101106	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.7	<0.50	<1.0	<1.0
MW-1	MW-1	01/25/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled																
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	MW-1	08/21/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.0	<0.50	1.5	<1.0	<1.0
MW-1	MW-1	11/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.6	<0.50	1.6	<1.0	<5.0
MW-1	MW-1	02/11/14	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.8	<0.50	1.6	<1.0	<5.0
MW-2	MW2-032304	03/24/04	<1.0	<1.0	<1.0	<1.0	1.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5.8	<0.50	3.0	<1.0	--
MW-2	MW2-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	1.0	--	<1.0	<1.0	<0.50	<1.0	<0.50	3.6	1.2	3.4	--	--
MW-2	MW2-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.7	43	3.5	<1.0	--
MW-2	MW2-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.0	2.8	4.4	<1.0	--
MW-2	MW2-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.9	<0.50	3.8	<1.0	--
MW-2	MW2-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.1	3.1	<1.0	<1.0	--
MW-2	MW2-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.7	<0.50	2.0	<1.0	--
MW-2	MW2-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW2-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW2-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2-070506	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2-101106	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	3.3	<1.0	--
MW-2	MW-2	01/25/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	05/22/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	08/16/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.1	<0.50	<1.0	<1.0	--
MW-2	MW-2	11/09/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	05/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
MW-2	MW-2	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.8	<0.50	1.2	<1.0	--
MW-2	MW-2	02/26/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.3	<0.50	12	<1.0	--
MW-2	MW-2	05/14/09	<1.0	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.8	<0.50	5.1	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Analytical Results (µg/L)																
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethylene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)	
MW-2	MW-2	08/20/09	<1.0	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.4	<0.50	4.5	<1.0	--	
MW-2	MW-2	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.9	<0.50	3.7	<1.0	--	
MW-2	MW-2	02/09/10	<1.0	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.4	<0.50	5.5	<1.0	--	
MW-2	MW-2	05/13/10	<1.0	<1.0	<1.0	<1.0	2.4	<0.50	<1.0	1.2	<0.50	<1.0	<0.50	16	<0.50	15	<1.0	--	
MW-2	MW-2	08/04/10	<1.0	<1.0	<1.0	<1.0	5.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5.9	<0.50	12	<1.0	--	
MW-2	MW-2	11/04/10	<1.0	<1.0	<1.0	<1.0	9.3	<0.50	2.1	1.6	<0.50	<1.0	<0.50	36	<0.50	32	4.0	--	
MW-2	MW-2	02/23/11	<1.0	<1.0	<1.0	<1.0	5.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	13	<0.50	17	<1.0	--	
MW-2	MW-2	05/12/11	<1.0	<1.0	<1.0	<1.0	47	<0.50	9.6	2.0	<0.50	<1.0	<0.50	33	<0.50	110	40	--	
MW-2	MW-2	08/11/11	<1.0	<1.0	<1.0	<1.0	3.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.3	<0.50	10	1.5	--	
MW-2	MW-2	11/16/11	<1.0	<1.0	<1.0	<1.0	6.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	8.5	<0.50	22	<1.0	--	
MW-2	MW-2	02/16/12	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.9	<0.50	8.6	<1.0	--	
MW-2	MW-2	06/01/12	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.4	<0.50	8.7	<1.0	--	
MW-2	MW-2	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.2	<0.50	6.8	<1.0	--	
MW-2	MW-2	11/15/12	<1.0	<1.0	<1.0	<1.0	2.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.3	<0.50	20	1.1	--	
MW-2	MW-2	02/12/13	<1.0	<1.0	<1.0	<1.0	7.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	11	<0.50	23	<1.0	--	
MW-2	MW-2	05/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5.3	<0.50	20	<1.0	--	
MW-2	MW-2	08/21/13	<1.0	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	8.7	<0.50	31	<1.0	1.3	
MW-2	MW-2	11/14/13	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	1.0	<1.0	<0.50	<1.0	<0.50	12	<0.50	26	<1.0	<5.0	
MW-2	MW-2	02/11/14	<1.0	<1.0	<1.0	<1.0	8.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	19	<0.50	24	<1.0	<5.0	
MW-3	MW3-032304	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	51	2.7	3.7	<1.0	--	
MW-3	MW3-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	1.1	--	<1.0	<1.0	<0.50	<1.0	<0.50	47	<0.50	4.7	--	--	
MW-3	MW3-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.2	<0.50	49	68	3.6	<1.0
MW-3	MW3-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	45	<0.50	4.9	<1.0	--	
MW-3	MW3-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	44	<0.50	5.2	<1.0	--	
MW-3	MW3-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	72	<0.50	7.9	<1.0	--	

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of VOCs (µg/L)															
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
MW-3	MW3-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	38	<0.50	8.0	<1.0	--
MW-3	MW3-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	67	<0.50	5.8	<1.0	--
MW-3	MW3-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	43	<0.50	4.9	<1.0	--
MW-3	MW3-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	54	<0.50	5.4	<1.0	--
MW-3	MW-3-070506	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	54	<0.50	<1.0	<1.0	--
MW-3	MW-3-101106	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	56	<0.50	5.2	<1.0	--
MW-3	MW-3 01/25/07	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	51	<0.50	5.6	<1.0	--
MW-3	MW-3 05/22/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	36	<0.50	4.4	<1.0	--
MW-3	MW-3 08/16/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	45	<0.50	5.0	<1.0	--
MW-3	MW-3 11/09/07	<1.0	<1.0	<1.0	<1.0	1.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	40	<0.50	4.9	<1.0	--
MW-3	MW-3 02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	51	<0.50	5.3	<1.0	--
MW-3	MW-3 05/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	39	<0.50	4.8	<1.0	--
MW-3	MW-3 08/14/08	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	74	<0.50	6.2	<1.0	--
MW-3	MW-3 10/16/08	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	61	<0.50	6.9	<1.0	--
MW-3	MW-3 02/26/09	<1.0	<1.0	<1.0	<1.0	5.7	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	<1.0	6.8	<0.50	26	5.1	--
MW-3	MW-3 05/14/09	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	47	<0.50	9.0	<1.0	--
MW-3	MW-3 08/20/09	<1.0	<1.0	<1.0	<1.0	1.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	54	<0.50	7.3	<1.0	--
MW-3	MW-3 11/12/09	<1.0	<1.0	<1.0	<1.0	2.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	51	<0.50	9.0	<1.0	--
MW-3	MW-3 02/09/10	<1.0	<1.0	<1.0	<1.0	5.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	77	<0.50	17	1.9	--
MW-3	MW-3 05/13/10	<1.0	<1.0	<1.0	<1.0	18	<0.50	3.3	3.5	<0.50	<1.0	<0.50	<1.0	45	<0.50	49	7.9	--
MW-3	MW-3 08/04/10	<1.0	<1.0	<1.0	<1.0	2.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	89	<0.50	12	<1.0	--
MW-3	MW-3 11/04/10	<1.0	<1.0	<1.0	<1.0	78	<0.50	13	5.5	<0.50	<1.0	<0.50	<1.0	130	<0.50	130	33	--
MW-3	MW-3 02/23/11	<1.0	<1.0	<1.0	<1.0	1.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	71	<0.50	10	<1.0	--
MW-3	MW-3 05/12/11	<1.0	<1.0	<1.0	<1.0	9.2	<0.50	2.3	<1.0	<0.50	<1.0	<0.50	<1.0	15	<0.50	36	5.4	--
MW-3	MW-3 08/11/11	<1.0	<1.0	<1.0	<1.0	24	<0.50	3.3	1.2	<0.50	<1.0	<0.50	<1.0	23	<0.50	47	11	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of VOCs (µg/L)															
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
MW-3	MW-3	11/16/11	<1.0	<1.0	<1.0	<1.0	2.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	62	<0.50	10	<1.0	--
MW-3	MW-3	02/16/12	<1.0	<1.0	<1.0	<1.0	7.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	11	<0.50	17	4.4	--
MW-3	MW-3	06/01/12	<1.0	<1.0	<1.0	<1.0	6.9	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	12	<0.50	21	4.3	--
MW-3	MW-3	08/23/12	<1.0	<1.0	<1.0	<1.0	2.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6.5	<0.50	11	<1.0	--
MW-3	MW-3	11/15/12	<1.0	<1.0	<1.0	<1.0	2.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6.1	<0.50	15	1.5	--
MW-3	MW-3	02/12/13	<1.0	<1.0	<1.0	<1.0	2.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	85	<0.50	12	<1.0	--
MW-3	MW-3	05/14/13	<1.0	<1.0	<1.0	<1.0	2.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	17	<0.50	23	1.2	--
MW-3	MW-3	08/21/13	<1.0	<1.0	<1.0	<1.0	9.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	19	<0.50	23	3.2	11
MW-3	MW-3	11/14/13	<1.0	<1.0	<1.0	<1.0	14	<0.50	3.2	<1.0	<0.50	<1.0	<0.50	28	<0.50	33	6.5	17
MW-3	MW-3	02/11/14	<1.0	<1.0	<1.0	<1.0	33	<0.50	5.7	1.5	<0.50	<1.0	<0.50	51	<0.50	54	14	44
MW-5	MW5-032404	03/24/04	1.4	2.0	<1.0	1.6	39	<0.50	2.8	<1.0	<0.50	<1.0	<0.50	2,500	<0.50	21	<1.0	--
MW-5	MW5-061604	06/16/04	1.2	3.0	<1.0	<1.0	17	--	<1.0	<1.0	<0.50	<1.0	<0.50	3,300	1.2	20	--	--
MW-5	MW5-090904	09/09/04	<1.0	2.8	<1.0	<1.0	10	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,200	<0.50	17	<1.0	--
MW-5	MW5-120104	12/01/04	<1.0	2.6	<1.0	<1.0	11	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,700	5.9	21	<1.0	--
MW-5	MW5-021705	02/17/05	<1.0	5.1	<1.0	<1.0	17	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	11	17	<1.0	--
MW-5	MW5-051605	05/16/05	<1.0	7.0	<1.0	<1.0	33	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,100	<0.50	19	<1.0	--
MW-5	MW5-081105	08/11/05	<1.0	5.1	<1.0	<1.0	20	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	990	<0.50	27	<1.0	--
MW-5	MW5-110705	11/07/05	<1.0	3.1	<1.0	<1.0	16	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	640	<0.50	26	<1.0	--
MW-5	MW5-020706	02/07/06	<1.0	4.6	<1.0	<1.0	28	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	21	<1.0	--
MW-5	MW5-050306	05/03/06	<1.0	4.6	<1.0	<1.0	23	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	990	<0.50	19	<1.0	--
MW-5	MW-5-070506	07/05/06	<1.0	4.0	<1.0	<1.0	20	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	910	<0.50	16	<1.0	--
MW-5	MW-5-101106	10/11/06	<1.0	1.6	<1.0	<1.0	15	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	580	<0.50	17	<1.0	--
MW-5	MW-5	01/25/07	<1.0	2.5	<1.0	<1.0	22	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	950	<0.50	19	<1.0	--
MW-5	MW-5	05/22/07	<1.0	1.8	<1.0	<1.0	16	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	620	<0.50	11	<1.0	--
MW-5	MW-5	08/16/07	<1.0	1.1	<1.0	<1.0	12	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	810	<0.50	16	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Analytical Results (µg/L)															
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
MW-5	MW-5	11/09/07	<1.0	1.1	<1.0	<1.0	13	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	18	<1.0	--
MW-5	MW-5	02/18/08	<1.0	<1.0	<1.0	<1.0	13	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	14	<1.0	--
MW-5	MW-5	05/14/08	<1.0	<1.0	<1.0	<1.0	12	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	13	<1.0	--
MW-5	MW-5	08/15/08	<1.0	<1.0	<1.0	2.7	43	<0.50	2.1	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	14	<1.0	--
MW-5	MW-5	10/17/08	<1.0	<1.0	<1.0	2.3	47	<0.50	2.1	<1.0	<0.50	<1.0	<0.50	780	<0.50	12	<1.0	--
MW-5	MW-5	02/27/09	<1.0	<1.0	<1.0	<1.0	3.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	150	<0.50	3.8	<1.0	--
MW-5	MW-5	05/14/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	62	<0.50	2.9	<1.0	--
MW-5	MW-5	08/21/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	100	<0.50	2.2	<1.0	--
MW-5	DUP-1	08/21/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	100	<0.50	2.1	<1.0	--
MW-5	MW-5	11/12/09	<1.0	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	680	<0.50	7.0	<1.0	--
MW-5	DUP-1	11/12/09	<1.0	<1.0	<1.0	<1.0	2.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	610	<0.50	7.3	<1.0	--
MW-5	MW-5	05/13/10	<1.0	<1.0	<1.0	<1.0	2.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	730	<0.50	9.0	<1.0	--
MW-5	MW-5	08/04/10	<1.0	<1.0	<1.0	<1.0	5.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	15	<1.0	--
MW-5	MW-5	11/04/10	<1.0	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	720	<0.50	8.2	<1.0	--
MW-5	MW-5	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	29	<0.50	1.2	<1.0	--
MW-5	MW-5	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	30	<0.50	1.6	<1.0	--
MW-5	MW-5	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	20	<0.50	2.3	<1.0	--
MW-5	MW-5	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	21	<0.50	3.4	<1.0	--
MW-5	MW-5	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	35	<0.50	4.0	<1.0	--
MW-5	MW-5	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	24	<0.50	3.3	<1.0	--
MW-5	MW-5	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	56	<0.50	4.2	<1.0	--
MW-5	MW-5	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	29	<0.50	6.0	<1.0	--
MW-5	MW-5	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	16	<0.50	2.5	<1.0	--
MW-5	MW-5	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	29	<0.50	1.9	<1.0	--
MW-5	MW-5	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	17	<0.50	<1.0	<1.0	<1.0

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	MW-5	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	13	<0.50	<1.0	<1.0	<5.0
MW-5	MW-5	02/13/14	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	17	<0.50	<1.0	<1.0	<5.0
MW-6	MW6-032304	03/24/04	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	750	<0.50	20	<1.0	--
MW-6	MW6-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	1.1	--	<1.0	<1.0	<0.50	<1.0	<0.50	520	1.1	19	--	--
MW-6	MW6-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	530	<0.50	20	<1.0	--
MW-6	MW6-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	890	29	27	<1.0	--
MW-6	MW6-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	320	16	19	<1.0	--
MW-6	MW6-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	620	<0.50	19	<1.0	--
MW-6	MW6-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	13	<1.0	--
MW-6	MW6-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	640	<0.50	17	<1.0	--
MW-6	MW6-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	590	<0.50	17	<1.0	--
MW-6	MW6-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	610	<0.50	18	<1.0	--
MW-6	MW-6-070506	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	400	<0.50	17	<1.0	--
MW-6	MW-6-101106	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	570	<0.50	14	<1.0	--
MW-6	MW-6	01/25/07	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	550	<0.50	17	<1.0	--
MW-6	MW-6	05/22/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	500	<0.50	12	<1.0	--
MW-6	MW-6	08/16/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	510	<0.50	12	<1.0	--
MW-6	MW-6	11/09/07	<1.0	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	340	<0.50	12	<1.0	--
MW-6	MW-6	02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	740	<0.50	20	<1.0	--
MW-6	MW-6	05/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	230	<0.50	15	<1.0	--
MW-6	MW-6	08/14/08	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	21	<1.0	--
MW-6	MW-6	02/26/09	<1.0	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	340	<0.50	19	<1.0	--
MW-6	MW-6	05/15/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	390	<0.50	19	<1.0	--
MW-6	DUP-1	05/15/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	450	<0.50	20	<1.0	--
MW-6	MW-6	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	1.1	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	160	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of Volatile Organic Compounds (µg/L)															
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
MW-6	MW-6	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	36	<1.0	--
MW-6	MW-6	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	160	<0.50	38	<1.0	--
MW-6	MW-6	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	44	<1.0	--
MW-6	MW-6	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	250	<0.50	42	<1.0	--
MW-6	MW-6	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	340	<0.50	46	<1.0	--
MW-6	MW-6	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	320	<0.50	59	<1.0	--
MW-6	MW-6	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	460	<0.50	74	<1.0	--
MW-6	MW-6	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	690	0.79	64	<1.0	--
MW-6	MW-6	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	510	<0.50	58	<1.0	<1.0
MW-7	MW7-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	160	<0.50	3.5	<1.0	--
MW-7	MW7-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	150	1.9	5.1	--	--
MW-7	MW7-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	250	<0.50	5.4	<1.0	--
MW-7	MW7-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	140	27	4.6	<1.0	--
MW-7	MW7-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	130	13	6.5	<1.0	--
MW-7	MW7-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	320	<0.50	9.5	<1.0	--
MW-7	MW7-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	220	<0.50	11	<1.0	--
MW-7	MW7-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	120	<0.50	5.3	<1.0	--
MW-7	MW7-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	120	<0.50	5.7	<1.0	--
MW-7	MW7-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	45	<0.50	<1.0	<1.0	--
MW-7	MW7-070506	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	38	<0.50	<1.0	<1.0	--
MW-7	MW7-101106	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	60	<0.50	2.6	<1.0	--
MW-7	MW-7	01/25/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	67	<0.50	2.8	<1.0	--
MW-7	MW-7	05/22/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	67	<0.50	3.6	<1.0	--
MW-7	MW-7	08/16/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	84	<0.50	4.5	<1.0	--
MW-7	MW-7	11/09/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	85	<0.50	4.2	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	MW-7	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	420	<0.50	65	<1.0	--
MW-7	DUP-1	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	540	<0.50	65	<1.0	--
MW-7	MW-7	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	310	<0.50	55	<1.0	--
MW-7	DUP-1	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	260	<0.50	52	<1.0	--
MW-7	MW-7	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	80	<1.0	--
MW-7	DUP-1	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	370	<0.50	82	<1.0	--
MW-7	MW-7	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	54	<1.0	--
MW-7	DUP-1	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	53	<1.0	--
MW-7	MW-7	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	390	1.6	38	<1.0	--
MW-7	DUP-1	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	370	3.3	37	<1.0	--
MW-7	MW-7	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	450	<0.50	41	<1.0	<1.0
MW-7	DUP-1	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	430	<0.50	40	<1.0	<1.0
MW-7	MW-7	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	370	<0.50	32	<1.0	<5.0
MW-7	DUP-1	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	31	<1.0	<5.0
MW-7	MW-7	02/13/14	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	410	<0.50	35	<1.0	<5.0
MW-7	DUP	02/13/14	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	560	<0.50	36	<1.0	<5.0
MW-8	MW8-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	390	<0.50	22	<1.0	--
MW-8	MW8-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	20	--	--
MW-8	MW8-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	260	<0.50	16	<1.0	--
MW-8	MW8-120204	12/02/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	22	<1.0	--
MW-8	MW8-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	270	<0.50	21	<1.0	--
MW-8	MW8-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	470	<0.50	25	<1.0	--
MW-8	MW8-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	400	<0.50	26	<1.0	--
MW-8	MW8-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	360	<0.50	19	<1.0	--
MW-8	MW8-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	370	<0.50	31	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of Volatile Organic Compounds (µg/L)															
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
MW-8	MW8-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	410	<0.50	27	<1.0	--
MW-8	MW8-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	18	<1.0	--
MW-8	MW8-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	190	<0.50	16	<1.0	--
MW-8	MW-8	01/26/07	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	280	<0.50	22	<1.0	--
MW-8	MW-8	05/23/07	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	96	<0.50	7.3	<1.0	--
MW-8	MW-8	08/17/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	100	<0.50	8.0	<1.0	--
MW-8	MW-8	11/08/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	230	<0.50	11	<1.0	--
MW-8	MW-8	02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	520	<0.50	17	<1.0	--
MW-8	MW-8	05/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	14	<1.0	--
MW-8	MW-8	08/15/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	360	<0.50	19	<1.0	--
MW-8	MW-8	10/17/08	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	250	<0.50	26	<1.0	--
MW-8	MW-8	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	41	<1.0	--
MW-8	MW-8	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	150	<0.50	19	<1.0	--
MW-8	MW-8	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	190	<0.50	28	<1.0	--
MW-8	MW-8	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	240	<0.50	33	<1.0	--
MW-8	MW-8	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	320	<0.50	28	<1.0	--
MW-8	MW-8	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	200	<0.50	34	<1.0	--
MW-8	MW-8	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	250	<0.50	35	<1.0	--
MW-8	MW-8	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	690	1.9	45	<1.0	--
MW-9	MW9-032304	03/24/04	3.4	<1.0	<1.0	<1.0	2.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,300	<0.50	38	<1.0	--
MW-9	MW9-061604	06/16/04	4.8	<1.0	<1.0	<1.0	5.3	--	<1.0	<1.0	<0.50	<1.0	<0.50	7,500	<0.50	60	--	--
MW-9	MW9-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	24	<1.0	--
MW-9	MW9-120204	12/02/04	2.4	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,400	<0.50	17	<1.0	--
MW-9	MW9-021705	02/17/05	2.8	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,500	<0.50	24	<1.0	--
MW-9	MW9-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,400	<0.50	32	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled																
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	MW9-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	4.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,400	<0.50	32	<1.0	--
MW-9	MW9-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	3.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,500	<0.50	21	<1.0	--
MW-9	MW9-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	5,700	<0.50	26	<1.0	--
MW-9	MW9-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6,400	<0.50	29	<1.0	--
MW-9	MW-9-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,300	<0.50	15	<1.0	--
MW-9	MW-9-101006	10/10/06	<1.0	<1.0	1.6	<1.0	<1.0	<0.50	1.0	<1.0	<0.50	<1.0	<0.50	2,300	<0.50	15	<1.0	--
MW-9	MW-9	01/26/07	4.0	<1.0	1.2	<1.0	5.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,300	<0.50	24	<1.0	--
MW-9	MW-9	05/23/07	3.3	<1.0	<1.0	<1.0	3.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,700	<0.50	17	<1.0	--
MW-9	MW-9	08/17/07	3.0	<1.0	<1.0	<1.0	4.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,500	<0.50	20	<1.0	--
MW-9	MW-9	11/08/07	<1.0	<1.0	<1.0	<1.0	3.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6,000	<0.50	21	<1.0	--
MW-9	DUP-1	02/19/08	1.8	<1.0	<1.0	<1.0	4.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	25	<1.0	--
MW-9	DUP-1	05/14/08	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	3,800	<0.50	22	<1.0	--
MW-9	DUP-1	08/15/08	1.3	<1.0	<1.0	<1.0	4.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,200	<0.50	25	<1.0	--
MW-9	MW-9	10/17/08	<1.0	<1.0	<1.0	2.6	33	<0.50	2.7	<1.0	<0.50	<1.0	<0.50	950	<0.50	27	<1.0	--
MW-9	MW-9	08/10/11	<1.0	<1.0	<1.0	<1.0	2.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	340	<0.50	5.1	<1.0	--
MW-9	MW-9	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	58	<0.50	2.5	<1.0	--
MW-9	MW-9	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	80	<0.50	2.0	<1.0	--
MW-9	MW-9	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	46	<0.50	1.2	<1.0	--
MW-9	MW-9	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	69	<0.50	1.0	<1.0	--
MW-9	MW-9	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	34	<0.50	1.4	<1.0	--
MW-9	MW-9	02/13/13	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	61	<0.50	3.3	<1.0	--
MW-10	MW10-032304	03/24/04	1.4	<1.0	<1.0	<1.0	1.8	<0.50	<1.0	<1.0	0.65	2.7	0.9	2,500	240	43	<1.0	--
MW-10	MW10-061604	06/16/04	2.4	<1.0	<1.0	<1.0	2.4	--	<1.0	<1.0	<0.50	<1.0	<0.50	3,200	<0.50	55	--	--
MW-10	MW10-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,200	<0.50	37	<1.0	--
MW-10	MW10-120204	12/02/04	1.8	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,100	<0.50	28	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of VOCs (µg/L)															
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
MW-10	MW10-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,100	0.99	44	<1.0	--
MW-10	MW10-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	2.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,900	<0.50	<1.0	<1.0	--
MW-10	MW10-081205	08/12/05	<5.0	<1.0	<1.0	<1.0	3.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,900	<0.50	31	<1.0	--
MW-10	MW10-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,200	<0.50	21	<1.0	--
MW-10	MW10-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,000	<0.50	25	<1.0	--
MW-10	MW10-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,400	<0.50	28	<1.0	--
MW-10	MW-10-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	24	<1.0	--
MW-10	MW-10-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	16	<1.0	--
MW-10	MW-10-012607	01/26/07	1.7	<1.0	<1.0	2.5	0.83	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	1,100	<0.50	24	<1.0	--
MW-10	MW-10-052307	05/23/07	1.8	<1.0	<1.0	2.1	0.61	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	1,200	<0.50	17	<1.0	--
MW-10	MW-10-081707	08/17/07	1.8	<1.0	<1.0	1.6	0.77	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	1,200	<0.50	17	<1.0	--
MW-10	MW-10-110807	11/08/07	<1.0	<1.0	<1.0	2.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	2,200	<0.50	22	<1.0	--
MW-10	MW-10-021908	02/19/08	1.6	<1.0	<1.0	2.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	2,000	<0.50	37	<1.0	--
MW-10	MW-10-051408	05/14/08	2.6	<1.0	<1.0	1.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	2,600	<0.50	45	<1.0	--
MW-10	MW-10-081508	08/15/08	1.8	<1.0	<1.0	2.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	3,900	<0.50	68	<1.0	--
MW-10	MW-10-101708	10/17/08	<1.0	<1.0	<1.0	6.8	<0.50	1.0	<1.0	<0.50	<1.0	<0.50	<1.0	3,000	<0.50	93	<1.0	--
MW-10	MW-10-081011	08/10/11	<1.0	<1.0	<1.0	2.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	2,100	<0.50	41	<1.0	--
MW-10	MW-10-111511	11/15/11	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	540	<0.50	45	<1.0	--
MW-10	MW-10-021712	02/17/12	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	690	<0.50	55	<1.0	--
MW-10	MW-10-060112	06/01/12	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	560	<0.50	49	<1.0	--
MW-10	MW-10-082412	08/24/12	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	470	<0.50	58	<1.0	--
MW-10	MW-10-111612	11/16/12	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	520	<0.50	56	<1.0	--
MW-11	MW11-032304	03/24/04	2.1	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	2,600	<0.50	27	<1.0	--
MW-11	MW11-061604	06/16/04	2.2	<1.0	<1.0	1.4	--	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	2,700	<0.50	25	--	--
MW-11	MW11-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	2,600	<0.50	23	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled															
			μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
MW-11	MW11-120204	12/02/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	5.1	<1.0
MW-11	MW11-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	520	1.3	12	<1.0
MW-11	MW11-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,500	<0.50	34	<1.0
MW-11	MW11-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,200	<0.50	52	<1.0
MW-11	MW11-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,100	<0.50	42	<1.0
MW-11	MW11-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,600	<0.50	52	<1.0
MW-11	MW11-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4,000	<0.50	55	<1.0
MW-11	MW-11-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	15	<1.0
MW-11	MW-11-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,000	<0.50	17	<1.0
MW-11	MW-11	01/26/07	<1.0	<1.0	<1.0	2.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	1,200	<0.50	34	<1.0
MW-11	MW-11	05/23/07	1.4	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	1,500	<0.50	28	<1.0
MW-11	MW-11	08/17/07	1.2	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,400	<0.50	38	<1.0
MW-11	MW-11	11/08/07	<1.0	<1.0	<1.0	<1.0	2.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,400	<0.50	41	<1.0
MW-11	MW-11	02/19/08	1.2	<1.0	<1.0	<1.0	2.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,700	<0.50	36	<1.0
MW-11	MW-11	05/14/08	1.2	<1.0	<1.0	<1.0	1.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,700	<0.50	34	<1.0
MW-11	MW-11	08/15/08	1.3	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,800	<0.50	48	<1.0
MW-11	MW-11	10/17/08	<1.0	<1.0	<1.0	<1.0	6.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	45	<1.0
MW-11	MW-11	08/10/11	<1.0	<1.0	<1.0	<1.0	3.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,700	<0.50	38	<1.0
MW-11	MW-11	11/15/11	<1.0	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	470	<0.50	35	<1.0
MW-11	MW-11	02/17/12	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	580	<0.50	37	<1.0
MW-11	MW-11	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	20	<1.0
MW-11	MW-11	08/24/12	<1.0	<1.0	<1.0	<1.0	1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	360	<0.50	24	<1.0
MW-11	MW-11	11/16/12	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	350	<0.50	34	<1.0
MW-11	MW-11	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	330	<0.50	28	<1.0
MW-11	MW-11	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	240	1.4	16	<1.0

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled																
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-12	DUP-032404	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	810	3.2	12	<1.0	--
MW-12	MW12-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	530	<0.50	11	--	--
MW-12	MW12-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	6.4	<1.0	--
MW-12	MW12-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	110	<0.50	4.0	<1.0	--
MW-12	MW12-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	9.4	<1.0	--
MW-12	MW12-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	800	<0.50	13	<1.0	--
MW-12	MW12-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	450	<0.50	18	<1.0	--
MW-12	MW12-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	460	<0.50	16	<1.0	--
MW-12	MW12-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	490	<0.50	20	<1.0	--
MW-12	MW12-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	610	<0.50	17	<1.0	--
MW-12	MW-12-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	6.7	<1.0	--
MW-12	MW-12-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	350	<0.50	14	<1.0	--
MW-12	MW-12	01/26/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	490	<0.50	19	<1.0	--
MW-12	MW-12	05/23/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	330	<0.50	12	<1.0	--
MW-12	MW-12	08/17/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	470	<0.50	17	<1.0	--
MW-12	MW-12	11/08/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	460	<0.50	17	<1.0	--
MW-12	MW-12	02/19/08	<1.0	<1.0	<1.0	<1.0	5.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	700	<0.50	11	<1.0	--
MW-12	MW-12	05/13/08	<1.0	<1.0	<1.0	<1.0	1.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	360	<0.50	12	<1.0	--
MW-12	MW-12	08/15/08	<1.0	<1.0	<1.0	<1.0	3.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	670	<0.50	12	<1.0	--
MW-12	MW-12	10/17/08	<1.0	<1.0	<1.0	<1.0	5.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	690	<0.50	9.8	<1.0	--
MW-12	MW-12	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	640	<0.50	76	<1.0	--
MW-12	MW-12	11/15/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	230	<0.50	43	<1.0	--
MW-12	MW-12	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	360	<0.50	57	<1.0	--
MW-12	MW-12	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	290	<0.50	55	<1.0	--
MW-12	MW-12	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	45	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled																
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethylene	Toluene	Trichloroethylene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-12	MW-12	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	410	<0.50	80	<1.0	--
MW-14	MW14-032404	03/24/04	1.5	<1.0	<1.0	<1.0	5.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,400	<0.50	18	<1.0	--
MW-14	MW14-061604	06/16/04	1.8	<1.0	<1.0	<1.0	5.6	--	<1.0	<1.0	<0.50	<1.0	<0.50	25,000	<0.50	25	--	--
MW-14	DUP-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,500	<0.50	15	<1.0	--
MW-14	DUP-1204	12/01/04	<1.0	3.4	<1.0	<1.0	14	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,400	<0.50	17	<1.0	--
MW-14	MW14-120204	12/02/04	<1.0	2.5	<1.0	<1.0	9.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	14	<1.0	--
MW-14	DUP-021705	02/17/05	<1.0	4.0	<1.0	<1.0	15	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	11	<1.0	--
MW-14	MW14-051705	05/17/05	<1.0	<1.0	<1.0	<1.0	8.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	27	<1.0	--
MW-14	DUP-081205	08/12/05	<1.0	<1.0	<1.0	<1.0	5.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	420	<0.50	15	<1.0	--
MW-14	MW14-110805	11/08/05	<1.0	<1.0	<1.0	<1.0	5.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	380	<0.50	13	<1.0	--
MW-14	DUP-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	600	<0.50	19	<1.0	--
MW-14	MW14-050406	05/04/06	<1.0	<1.0	<1.0	<1.0	12	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	20	<1.0	--
MW-14	DUP-070606	07/06/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	880	<0.50	20	<1.0	--
MW-14	MW-14-101006	10/10/06	<1.0	1.6	<1.0	<1.0	9.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,000	<0.50	13	<1.0	--
MW-14	MW-14	01/25/07	<1.0	1.7	<1.0	<1.0	14	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	890	<0.50	17	<1.0	--
MW-14	MW-14	05/22/07	<1.0	1.0	<1.0	<1.0	9.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,400	<0.50	12	<1.0	--
MW-14	MW-14	08/16/07	<1.0	1.1	<1.0	<1.0	10	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	12	<1.0	--
MW-14	MW-14	11/09/07	<1.0	<1.0	<1.0	<1.0	7.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	10	<1.0	--
MW-14	MW-14	02/18/08	<1.0	<1.0	<1.0	<1.0	7.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	7.3	<1.0	--
MW-14	MW-14	05/14/08	<1.0	<1.0	<1.0	1.7	12	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	790	<0.50	9.4	<1.0	--
MW-14	MW-14	08/15/08	<1.0	<1.0	<1.0	<1.0	15	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	970	<0.50	7.2	<1.0	--
MW-14	MW-14	10/17/08	<1.0	<1.0	<1.0	1.6	29	<0.50	1.6	<1.0	<0.50	<1.0	<0.50	510	<0.50	9.6	<1.0	--
MW-14	MW-14	02/27/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	20	<0.50	<1.0	<1.0	--
MW-14	MW-14	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4.2	<0.50	<1.0	<1.0	--
MW-14	MW-14	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	53	<0.50	14	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of Volatile Organic Compounds (µg/L)																	
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)		
MW-14	MW-14	11/15/11	<1.0	<1.0	<1.0	<1.0	1.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	42	<0.50	15	<1.0	--		
MW-14	MW-14	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	40	<0.50	7.6	<1.0	--		
MW-14	MW-14	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6.1	<0.50	1.2	<1.0	--		
MW-14	MW-14	08/24/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	10	<0.50	1.7	<1.0	--		
MW-14	MW-14	11/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	18	<0.50	3.5	<1.0	--		
MW-14	MW-14	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	6.7	<0.50	1.2	<1.0	--		
MW-14	MW-14	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	11	<1.0	2.1	<1.0	<1.0		
MW-15	MW-15	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.6	<0.50	1.2	<1.0	--		
MW-15	MW-15	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.2	<0.50	<1.0	<1.0	--		
MW-15	MW-15	02/27/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--		
MW-15	MW-15	05/15/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--		
MW-15	MW-15	08/21/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--		
MW-15	MW-15	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--		
MW-15	MW-15	02/09/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--		
MW-15	DUP-1	02/09/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--		
MW-15	MW-15	05/13/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	2.1	<1.0	--	
MW-15	MW-15	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	2.7	<1.0	--	
MW-15	MW-15	11/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	1.6	<0.50	4.8	<1.0	--
MW-15	MW-15	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<1.0	--	
MW-15	MW-15	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<1.0	--	
MW-15	MW-15	08/11/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	3.2	<1.0	--	
MW-15	MW-15	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	2.4	<1.0	--	
MW-15	MW-15	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	7.8	<0.50	5.0	<1.0	--
MW-15	MW-15	06/01/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	4.2	<1.0	--	
MW-15	MW-15	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	3.6	<1.0	--	

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of Volatile Organic Compounds (µg/L)																
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)	
MW-15	MW-15	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	7.0	<1.0	--	
MW-15	MW-15	02/12/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--	
MW-15	MW-15	05/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	1.2	<0.50	6.9	<1.0	--
MW-15	MW-15	08/21/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	1.2	<0.50	6.0	<1.0	<1.0
MW-15	MW-15	11/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	1.2	<0.50	6.8	<1.0	<5.0
MW-15	MW-15	02/13/14	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	4.8	<1.0	<5.0	
MW-16/ART	MW-16/ART	10/17/08	<1.0	<1.0	<1.0	<1.0	11	<0.50	1.5	1.3	<0.50	<1.0	<0.50	8,700	0.5	37	<1.0	--	
MW-16/ART	MW-16/ART	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1.6	3.5	<1.0	<1.0	--	
MW-17	MW-17	08/14/08	1.5	<1.0	<1.0	<1.0	1.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	120	<0.50	150	<1.0	--	
MW-17	MW-17	10/16/08	<1.0	<1.0	<1.0	<1.0	2.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	210	<1.0	--	
MW-17	MW-17	02/26/09	<1.0	<1.0	<1.0	<1.0	2.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,500	<0.50	120	<1.0	--	
MW-17	MW-17	05/15/09	1.3	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,600	<0.50	74	<1.0	--	
MW-17	MW-17	08/20/09	1.7	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3,600	<0.50	95	<1.0	--	
MW-17	MW-17	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,000	<0.50	58	<1.0	--	
MW-17	MW-17	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	910	<0.50	56	<1.0	--	
MW-17	MW-17	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,100	<0.50	55	<1.0	--	
MW-17	MW-17	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	590	<0.50	18	<1.0	--	
MW-17	MW-17	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	210	<0.50	11	<1.0	--	
MW-17	MW-17	02/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	340	<0.50	13	<1.0	--	
MW-17	MW-17	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	260	<0.50	13	<1.0	--	
MW-17	MW-17	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	200	<0.50	12	<1.0	--	
MW-17	MW-17	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	130	<0.50	12	<1.0	--	
MW-17	MW-17	02/12/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	330	<0.50	12	<1.0	--	
MW-17	MW-17	05/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	940	<0.50	19	<1.0	--	
MW-17	MW-17	08/21/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	990	<0.50	21	<1.0	<1.0	

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled																
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethylene	Toluene	Trichloroethylene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-17	MW-17	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	600	<0.50	14	<1.0	<5.0
MW-18	MW-18	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	300	<0.50	5.7	<1.0	--
MW-18	MW-18	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	160	<0.50	5.4	<1.0	--
MW-18	MW-18	02/26/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	44	<0.50	7.3	<1.0	--
MW-18	MW-18	05/14/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	37	<0.50	7.3	<1.0	--
MW-18	MW-18	08/20/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	71	<0.50	8.2	<1.0	--
MW-18	MW-18	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	36	<0.50	4.0	<1.0	--
MW-18	MW-18	05/13/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	18	<0.50	5.0	<1.0	--
MW-18	MW-18	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	32	<0.50	3.6	<1.0	--
MW-18	MW-18	11/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	36	<0.50	5.1	<1.0	--
MW-18	MW-18	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	23	<0.50	4.8	<1.0	--
MW-18	MW-18	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	17	<0.50	9.7	<1.0	--
MW-18	MW-18	08/10/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	13	<0.50	4.6	<1.0	--
MW-18	MW-18	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	27	<0.50	6.7	<1.0	--
MW-18	MW-18	02/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	36	<0.50	4.9	<1.0	--
MW-18	MW-18	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	45	<0.50	6.2	<1.0	--
MW-18	MW-18	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	42	<0.50	6.6	<1.0	--
MW-18	MW-18	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	35	<0.50	13	<1.0	--
MW-18	MW-18	02/12/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	36	<0.50	11	<1.0	--
MW-18	MW-18	05/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	100	<0.50	7.4	<1.0	--
MW-18	MW-18	08/21/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	74	<0.50	8.1	<1.0	<1.0
MW-18	MW-18	11/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	55	<0.50	9.3	<1.0	<5.0
MW-18	MW-18	02/11/14	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	41	<0.50	7.1	<1.0	<5.0
MW-19	MW-19	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4.6	<0.50	<1.0	<1.0	--
MW-19	MW-19	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	2.9	<0.50	<1.0	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane		1,1,1-Trichloroethane		1,1,2-Trichloroethane		1,1-Dichloroethane		1,2-Dichloroethane		Chloroform		cis-1,2-Dichloroethene		Ethylbenzene		m,p-Xylene		o-Xylene		Tetrachloroethylene		Toluene		Trichloroethylene		Trichlorofluoromethane (Freon-11)		Trichlorotrifluoroethane (Freon-113)	
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
MW-19	MW-19	02/26/09	<1.0	<1.0	<1.0	<1.0	1.3	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4.8	<0.50	1.4	<1.0	<1.0	--	--	--	--	--	--	--	--			
MW-19	MW-19	05/14/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	08/20/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	02/09/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	05/13/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	11/04/10	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	25	<0.50	3.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	02/23/11	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	2.6	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	36	<0.50	6.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	2.0	<0.50	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	08/11/11	<1.0	<1.0	<1.0	<1.0	1.6	<0.50	<1.0	3.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	37	<0.50	9.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	5.6	<0.50	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	02/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	1.4	<0.50	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	06/01/12	<1.0	<1.0	<1.0	<1.0	1.5	<0.50	<1.0	5.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	110	<0.50	18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	08/23/12	<1.0	<1.0	<1.0	<1.0	1.8	<0.50	<1.0	6.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	170	<0.50	21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	11/15/12	<1.0	<1.0	<1.0	<1.0	2.8	<0.50	<1.0	7.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	190	<0.50	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	02/12/13	<1.0	<1.0	<1.0	<1.0	1.7	<0.50	<1.0	6.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	95	<0.50	20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	05/14/13	<1.0	<1.0	<1.0	<1.0	2.0	<0.50	<1.0	7.9	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	170	<0.50	25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	08/21/13	<1.0	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	5.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	110	<0.50	17	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	11/13/13	<1.0	<1.0	<1.0	<1.0	2.5	<0.50	<1.0	14	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	280	<0.50	36	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-19	MW-19	02/11/14	<1.0	<1.0	<1.0	<1.0	3.0	<0.50	<1.0	14	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	260	<0.50	50	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-20	MW-20	03/12/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	10.6	<1.0	1.24	--	--	--	--	--	--	--	--			
MW-20	MW-20	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	7.3	<0.50	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-20	MW-20	02/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	4.3	<0.50	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			
MW-20	MW-20	05/15/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	6.1	1.3	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--			

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Volatile Organic Compounds (VOCs) Concentration (µg/L)															
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
MW-20	MW-20	08/22/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	4.6	<0.50	1.6	<1.0	<1.0
MW-20	MW-20	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	3.6	<0.50	1.7	<1.0	<5.0
MW-20	MW-20	02/13/14	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2.2	<0.50	1.7	<1.0	<5.0
VW-1	VW-1-101006	10/10/06	<1.0	<1.0	1.4	<1.0	<1.0	<0.50	1.2	<1.0	<0.50	<1.0	<0.50	1,800	<0.50	17	<1.0	--
VW-1	VW-1	01/26/07	2.4	<1.0	<1.0	<1.0	1.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	17	<1.0	--
VW-1	VW-1	05/23/07	2.8	<1.0	<1.0	<1.0	1.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,200	<0.50	14	<1.0	--
VW-1	VW-1	08/17/07	3.0	<1.0	<1.0	<1.0	2.5	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	19	<1.0	--
VW-1	VW-1	05/14/08	2.9	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,600	<0.50	32	<1.0	--
VW-2	VW-2-101006	10/10/06	<1.0	1.5	3.5	<1.0	5.7	<0.50	2.1	<1.0	<0.50	<1.0	<0.50	2,700	<0.50	22	<1.0	--
VW-2	VW-2	01/26/07	3.7	<1.0	2.0	<1.0	5.5	<0.50	1.0	<1.0	<0.50	<1.0	<0.50	1,900	<0.50	22	<1.0	--
VW-2	VW-2	05/23/07	2.3	<1.0	<1.0	<1.0	3.8	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,300	<0.50	15	<1.0	--
VW-2	VW-2	08/17/07	4.2	<1.0	<1.0	<1.0	3.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,100	<0.50	17	<1.0	--
VW-2	VW-2	05/14/08	3.4	<1.0	<1.0	<1.0	2.3	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,100	<0.50	13	<1.0	--
VW-2	VW-2	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	75	<0.50	<1.0	<1.0	--
VW-3	VW-3-101006	10/10/06	<1.0	1.4	2.0	<1.0	4.7	<0.50	1.4	1.5	<0.50	<1.0	<0.50	2,100	<0.50	17	<1.0	--
VW-3	VW-3	01/26/07	<1.0	<1.0	<1.0	<1.0	2.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,000	<0.50	9.5	<1.0	--
VW-3	VW-3	05/23/07	1.8	<1.0	<1.0	<1.0	3.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,000	<0.50	9.8	<1.0	--
VW-3	VW-3	08/17/07	2.6	<1.0	<1.0	<1.0	3.2	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,700	<0.50	13	<1.0	--
VW-3	VW-3	05/14/08	2.5	<1.0	<1.0	<1.0	1.4	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	2,000	<0.50	10	<1.0	--
VW-3	VW-3	02/17/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	81	<0.50	<1.0	<1.0	--
VW-4	VW-4-101006	10/10/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,700	<0.50	24	<1.0	--
VW-4	VW-4	01/26/07	<1.0	<1.0	<1.0	<1.0	3.4	<0.50	<1.0	1.5	<0.50	<1.0	<0.50	1,100	<0.50	120	<1.0	--
VW-4	VW-4	05/23/07	1.5	<1.0	<1.0	<1.0	2.7	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	920	<0.50	28	<1.0	--
VW-4	VW-4	08/17/07	1.8	<1.0	<1.0	<1.0	4.1	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,700	<0.50	46	<1.0	--
VW-4	VW-4	05/14/08	1.4	<1.0	<1.0	<1.0	3.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	1,500	<0.50	56	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	Concentrations of Volatile Organic Compounds (µg/L)															
			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
Blank	EB-032304	03/24/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-061604	06/16/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	--	--
Blank	EB-090904	09/09/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1-120104	12/01/04	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-021705	02/17/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-051605	05/16/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-081105	08/11/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-110705	11/07/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	TRIP BLANK	11/08/05	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	TB-020706	02/07/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	TB-020806	02/08/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-050306	05/03/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	TRIP BLANK	07/05/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	Equip B	10/11/06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	01/25/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	05/22/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/16/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	11/09/07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	FB-1	02/18/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	05/13/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-2	05/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	TRIP BLANK	08/14/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	TRIP BLANK	10/16/08	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	02/26/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/20/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--

Table 2
Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Well ID	Sample ID	Date Sampled	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Trichlorotrifluoroethane (Freon-113)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Blank	EB-2	11/12/09	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	02/09/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	05/13/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	11/04/10	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	02/23/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	05/12/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/11/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	3.8	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	11/16/11	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	02/16/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	05/31/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/23/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	11/15/12	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	02/12/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	05/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--
Blank	EB-1	08/21/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<1.0
Blank	EB-1	11/13/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<5.0
Blank	EB-2	11/14/13	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	<5.0
Blank	EB-1	02/11/14	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<1.0	--

Table 2

Summary of Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

Bodycote Thermal Processing, Techni-Braze Facility

Santa Fe Springs, CA

CM010272.0022

Notes:

µg/L = micrograms per liter or parts per billion.

< = Not detected above laboratory reporting limit indicated.

VOCs are shown for detected compounds only. See laboratory reports for a complete list of compounds analyzed.

All samples analyzed by SunStar Laboratories Inc., Lake Forest, CA.

QA/QC SCD

Table 3

Groundwater Chemistry Data						
Bodycote Thermal Processing, Techni-Braze Facility						
Santa Fe Springs, CA						
CM010272.0022						
Well ID	Sample ID	Sample Date	pH	Ferrous Iron (mg/L)	Nitrate as NO ₃ (mg/L)	Sulfate as SO ₄ (mg/L)
						Methane (µg/L)
MCA-1	Not Sampled	05/14/09	--	--	--	--
MCA-2	Not Sampled	05/14/09	--	--	--	--
MCA-3	Not Sampled	05/14/09	--	--	--	--
MCA-4	MCA-4	05/14/09	7.28	<0.10	55.3	311
MW-5	MW-5	05/14/09	7.01	<0.10	28.5	115
MW-6	MW-6	05/15/09	7.19	<0.10	50.3	274
MW-7	MW-7	05/14/09	7.04	<0.10	10.2	257
MW-8	Not Sampled	05/14/09	--	--	--	--
MW-9	Not Sampled	05/14/09	--	--	--	--
MW-10	Not Sampled	05/14/09	--	--	--	--
MW-11	Not Sampled	05/14/09	--	--	--	--
MW-12	Not Sampled	05/14/09	--	--	--	--
MW-14	Not Sampled	05/14/09	--	--	--	--
MW-17	MW-17	05/15/09	7.29	<0.10	40.8	240
MW-18	MW-18	05/14/09	6.83	<0.10	26.1	293

Notes:

µg/L = micrograms per liter (parts per billion)

mg/L = milligrams per liter (parts per million)

< = Not detected above laboratory reporting limit indicated.

SunStar Laboratories Inc., Tustin, CA.

QA/QC SC0

Table 4

Soil Vapor Monitoring Data Bodycote Thermal Processing, Techni-Braze Facility Santa Fe Springs, CA CM010272.0022						Analyte Concentration (ppmv) ^{1,2}					
Sample Location	Date Sampled	Field PID Readings (ppmv) ¹	Lab Sample Identification	Lab	Method	Acetone	Carbon disulfide	Chloromethane	Tetrachloroethene	Tetrahydrofuran	Trichloroethene
VW-1C	05/13/13	0.0	T131108-01	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-4C	05/13/13	1.0	T131108-02	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-5	05/13/13	1.0	T131108-03	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-6	05/13/13	1.3	T131108-04	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-7	05/13/13	1.1	T131108-05	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-8A	05/13/13	0.3	T131108-06	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-9	05/13/13	2.9	T131108-07	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-10A	05/13/13	1.0	T131108-08	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-11	05/13/13	0.0	T131108-09	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-12	05/13/13	0.6	T131108-10	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-13A	05/13/13	5.0	T131108-11	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-14	05/13/13	7.4	T131108-12	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-15A	05/13/13	1.7	T131108-13	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-19A	05/13/13	0.5	T131108-14	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-1C	08/20/13	0.8	--	--	--	--	--	--	--	--	--
VW-4C	08/20/13	7.6	--	--	--	--	--	--	--	--	--
VW-5	08/20/13	1.0	T131814-01	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-6	08/20/13	0.6	--	--	--	--	--	--	--	--	--
VW-7	08/20/13	0.0	--	--	--	--	--	--	--	--	--
VW-8A	08/20/13	0.0	--	--	--	--	--	--	--	--	--
VW-9	08/20/13	1.0	T131814-02	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-10A	08/20/13	0.0	--	--	--	--	--	--	--	--	--
VW-11	08/20/13	0.3	--	--	--	--	--	--	--	--	--
VW-12	08/20/13	0.0	--	--	--	--	--	--	--	--	--
VW-13A	08/20/13	0.0	T131814-03	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-14	08/20/13	13.0	--	--	--	--	--	--	--	--	--
VW-15A	08/20/13	0.0	T131814-04	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-19A	08/20/13	0.5	T131814-05	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-1C	11/12/13	2.9	--	--	--	--	--	--	--	--	--
VW-4C	11/12/13	0.5	--	--	--	--	--	--	--	--	--
VW-5	11/12/13	0.5	T132444-01	Sunstar	TO-15	0.14	< 0.050	< 0.050	0.14	15	< 0.050
VW-6	11/12/13	0.0	--	--	--	--	--	--	--	--	--
VW-7	11/12/13	0.2	--	--	--	--	--	--	--	--	--
VW-8A	11/12/13	0.0	--	--	--	--	--	--	--	--	--
VW-9	11/12/13	1.0	T132444-02	Sunstar	TO-15	0.13	< 0.050	< 0.050	< 0.050	18	< 0.050
VW-10A	11/12/13	0.3	--	--	--	--	--	--	--	--	--
VW-11	11/12/13	0.0	--	--	--	--	--	--	--	--	--
VW-12	11/12/13	0.0	--	--	--	--	--	--	--	--	--
VW-13A	11/12/13	4.6	T132444-03	Sunstar	TO-15	0.23	< 0.050	< 0.050	< 0.050	18	< 0.050

Table 4

						Analyte Concentration (ppmv) ^{1,2}					
Sample Location	Date Sampled	Field PID Readings (ppmv) ¹	Lab Sample Identification	Lab	Method	Acetone	Carbon disulfide	Chloromethane	Tetrachloroethene	Tetrahydrofuran	Trichloroethene
VW-14	11/12/13	4.7	--	--	--	--	--	--	--	--	--
VW-15A	11/12/13	0.0	T132444-04	Sunstar	TO-15	< 0.050	0.086	0.076	< 0.050	14	< 0.050
VW-19A	11/12/13	0.3	T132444-05	Sunstar	TO-15	0.14	< 0.050	< 0.050	< 0.050	16	< 0.050
VW-1C	02/10/14	0.0	--	--	--	--	--	--	--	--	--
VW-4C	02/10/14	1.0	--	--	--	--	--	--	--	--	--
VW-5	02/10/14	1.0	T140246-03	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-6	02/10/14	0.0	--	--	--	--	--	--	--	--	--
VW-7	02/10/14	0.0	--	--	--	--	--	--	--	--	--
VW-8A	02/10/14	0.0	--	--	--	--	--	--	--	--	--
VW-9	02/10/14	0.0	T140246-05	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-10A	02/10/14	0.8	--	--	--	--	--	--	--	--	--
VW-11	02/10/14	0.0	--	--	--	--	--	--	--	--	--
VW-12	02/10/14	1.0	--	--	--	--	--	--	--	--	--
VW-13A	02/10/14	1.0	T140246-01	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-14	02/10/14	0.5	--	--	--	--	--	--	--	--	--
VW-15A	02/10/14	1.0	T140246-02	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18
VW-19A	02/10/14	3.1	T140246-04	Sunstar	EPA 8260B	--	--	< 0.48	< 0.14	--	< 0.18

Notes:

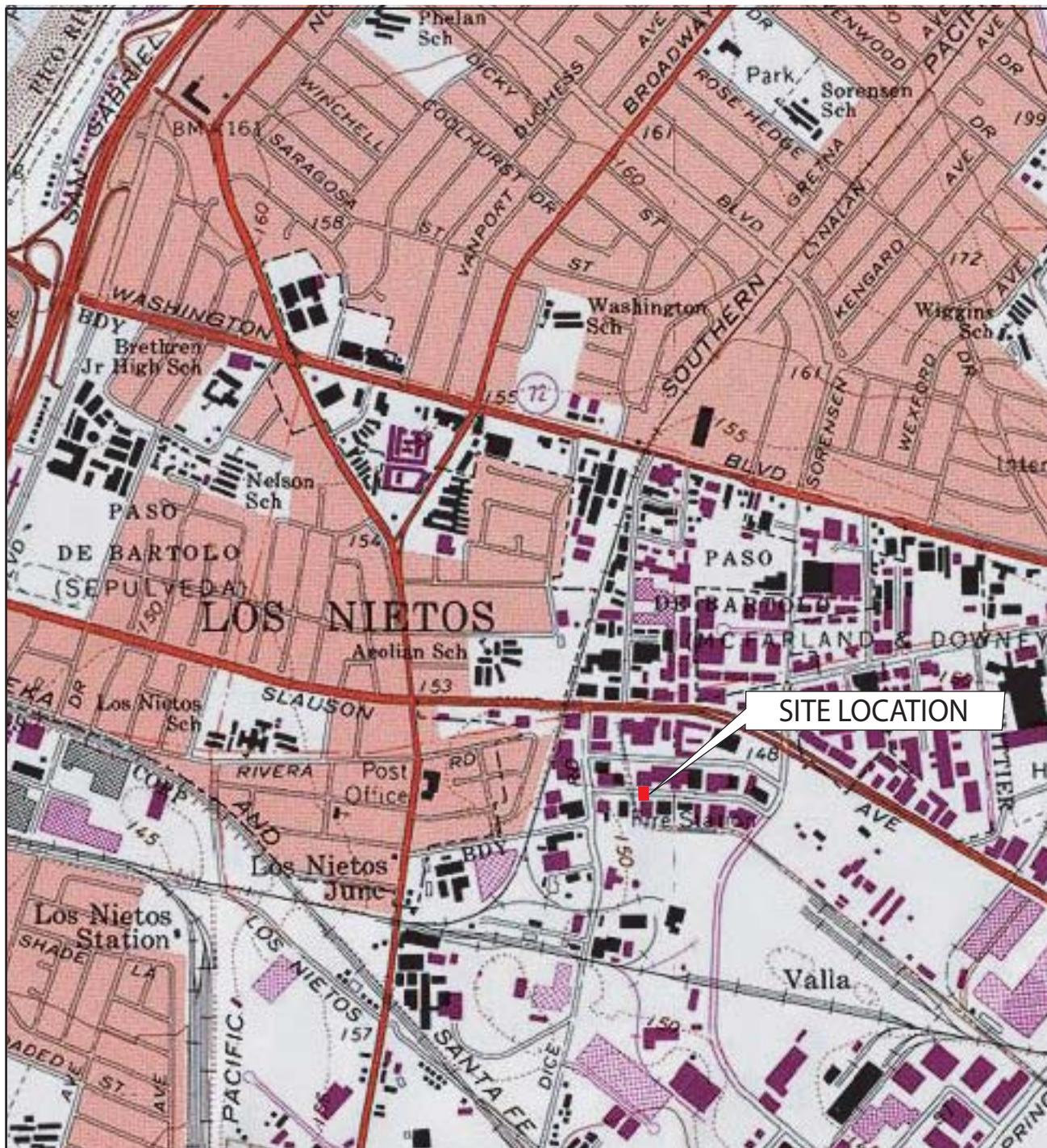
1. ppmv = parts per million by volume

2. only detected analytes (shown in bold) and PCE and TCE are shown.

3. "--" = not analyzed

ARCADIS

Figures



SOURCE: USGS Topographical Map, Whittier Quadrangle, 2001.

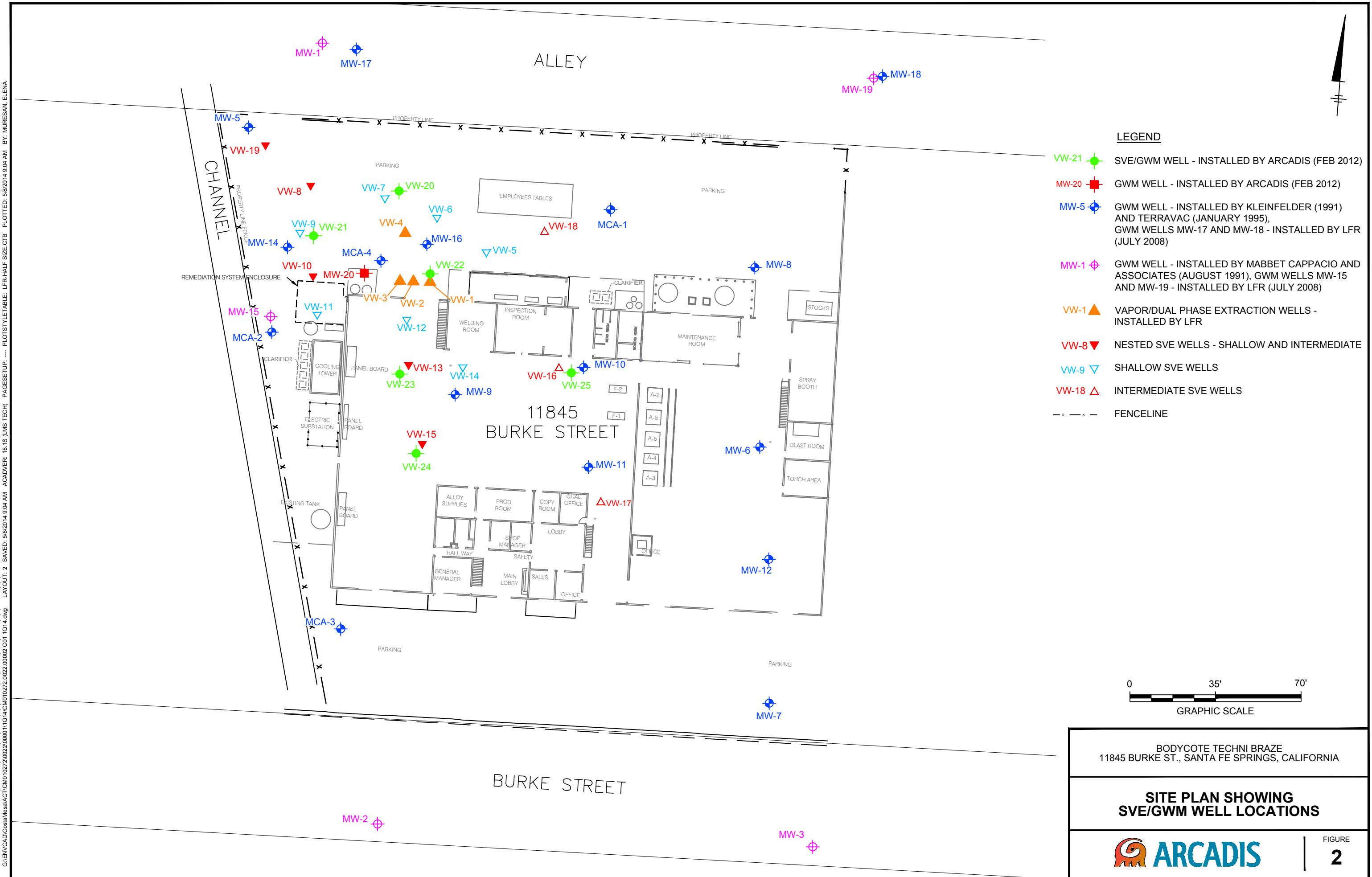


BODYCOTE TECHNI BRAZE
11845 BURKE ST., SANTA FE SPRINGS, CALIFORNIA

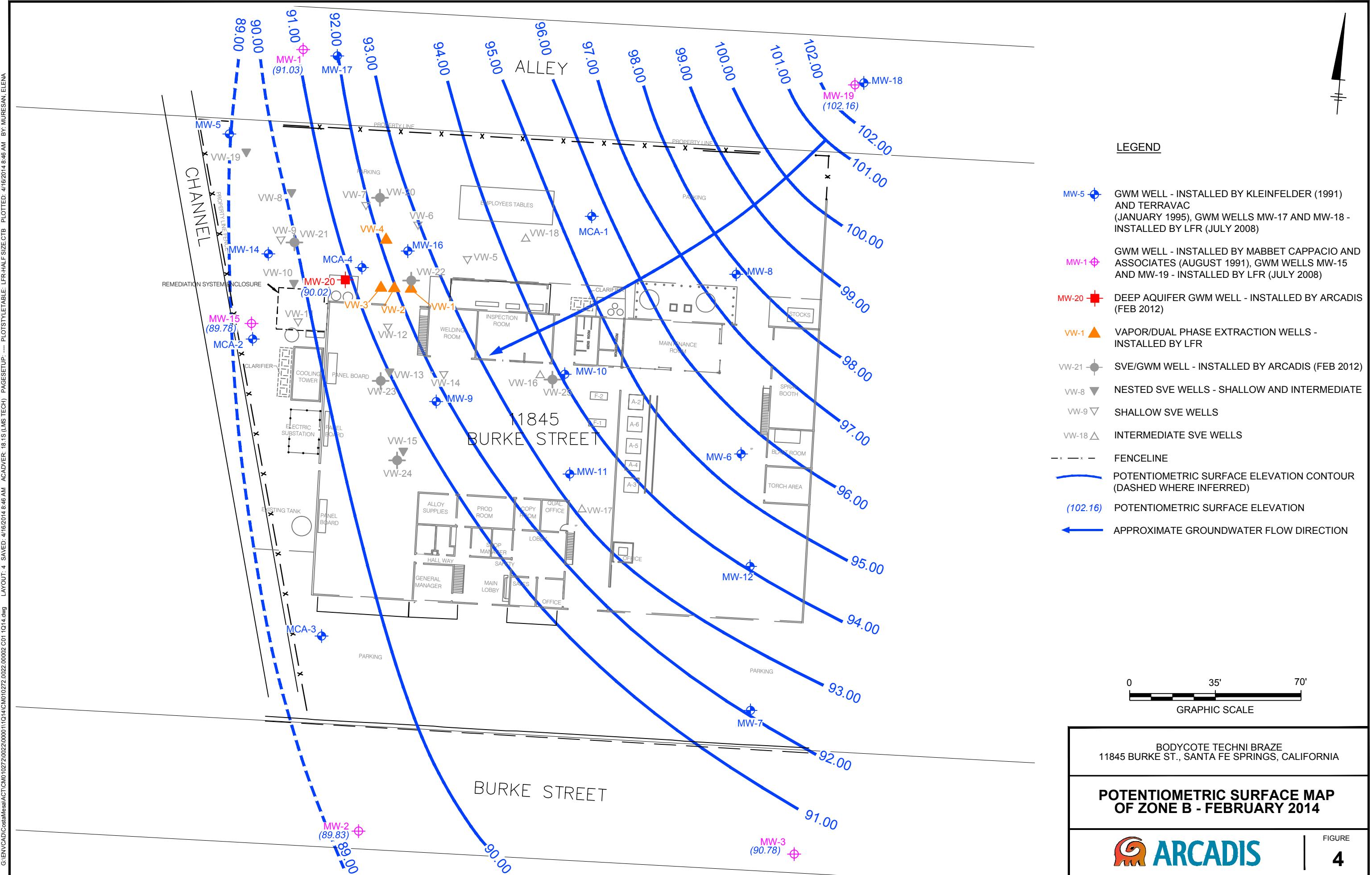
SITE VICINITY MAP

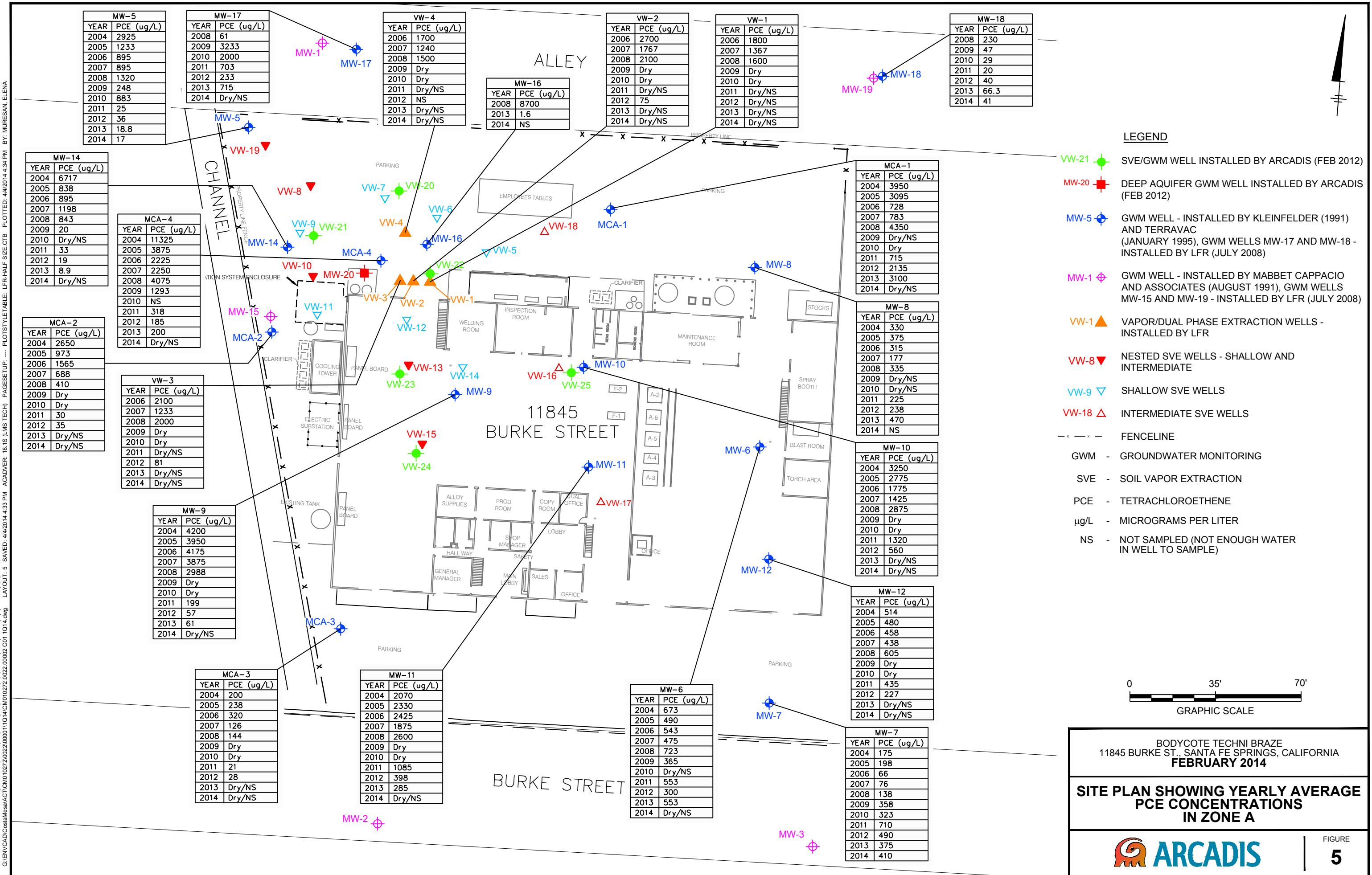
 ARCADIS

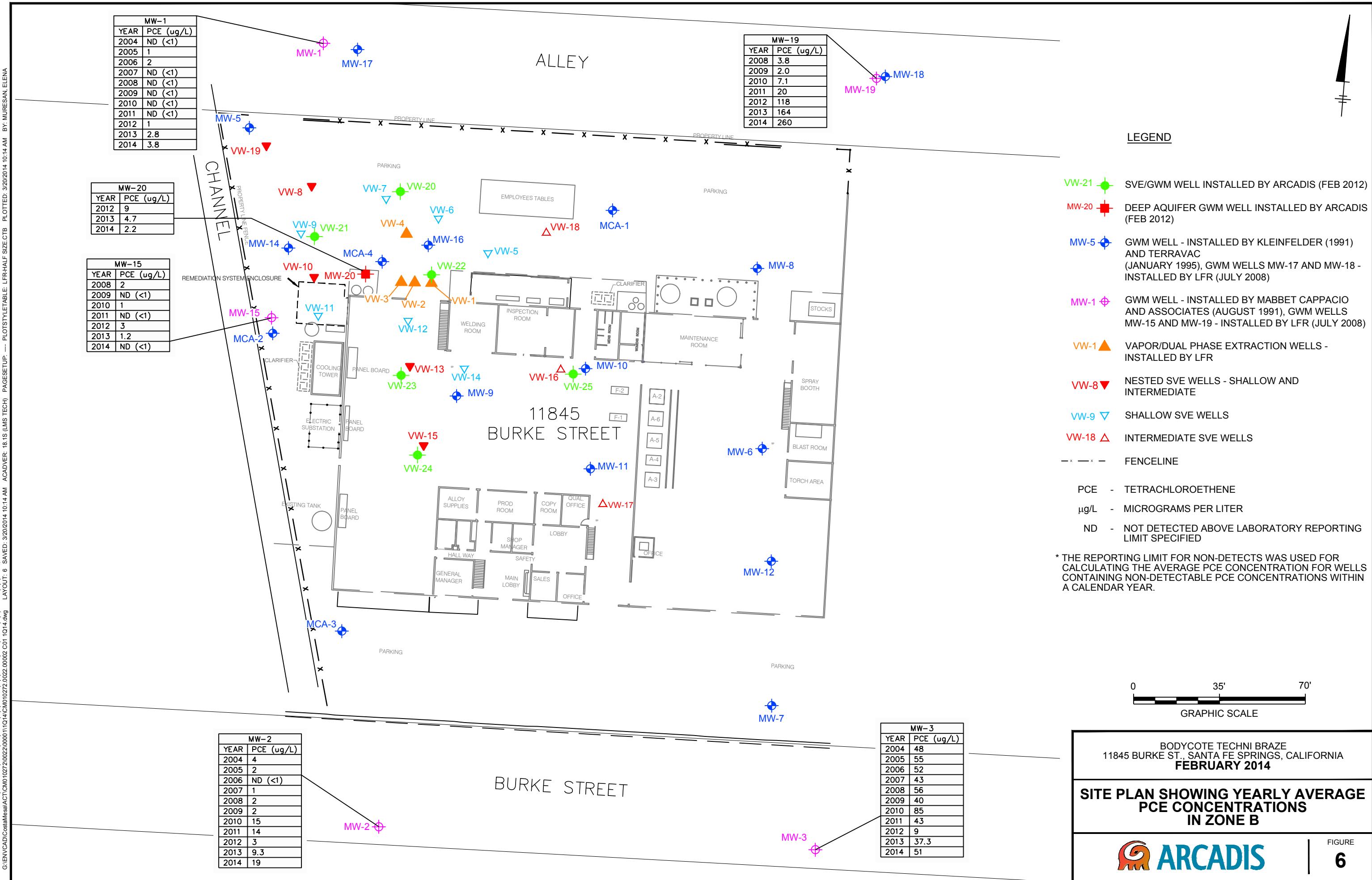
FIGURE 1

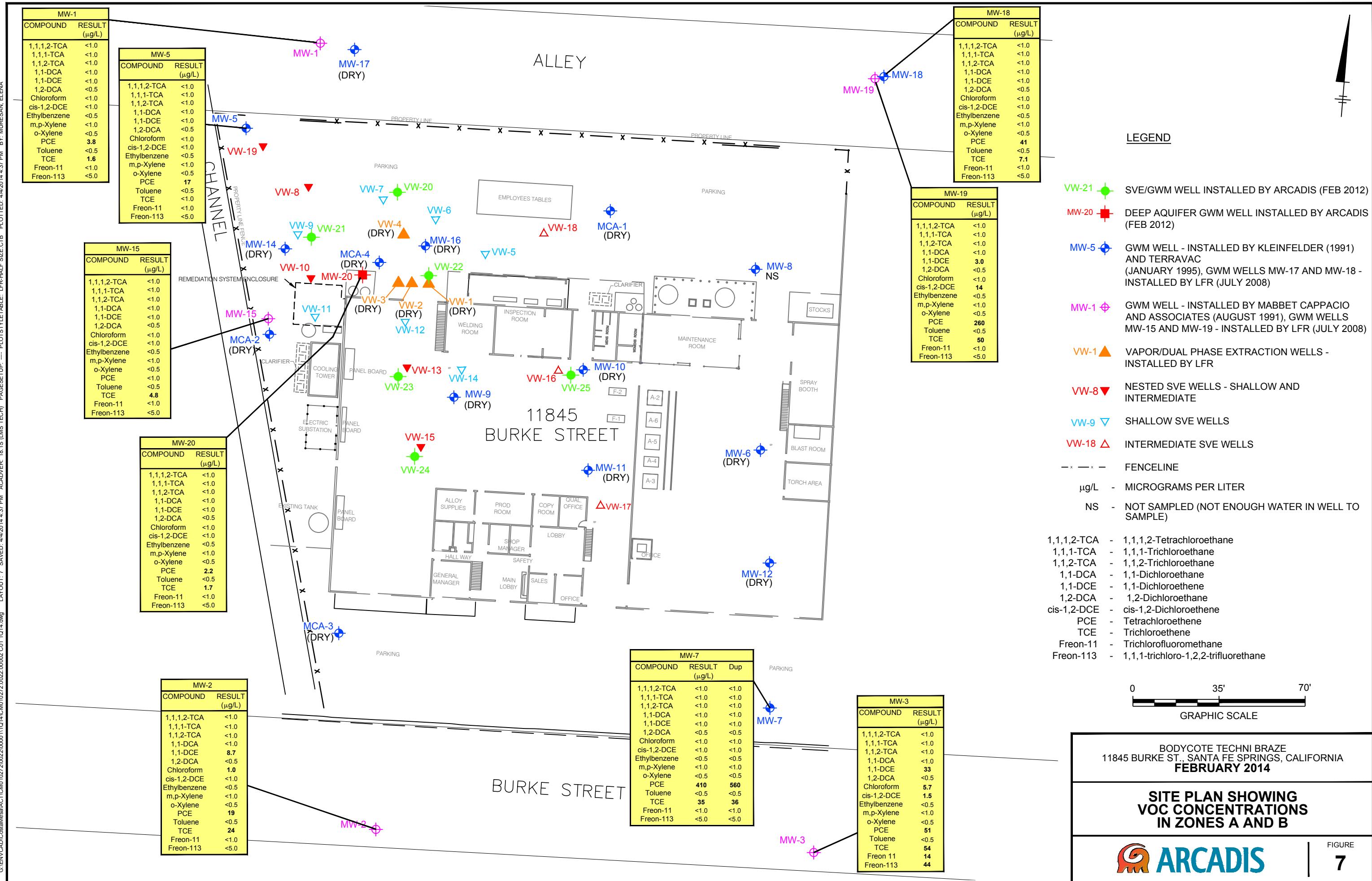












ARCADIS

Appendix A

ARCADIS Field Protocols

ARCADIS Field Protocols***Monitoring Well Purging***

Prior to groundwater sampling, approximately three casing volumes of groundwater were purged from each well using a submersible pump. The temperature, specific conductance, turbidity, and pH of the groundwater were measured throughout the purging process. These groundwater parameters were allowed to reach relative stabilization before samples were collected, for the purpose of collecting representative groundwater samples.

Groundwater Sampling Equipment Cleaning

Equipment used to develop or sample the wells was washed in a laboratory-grade detergent and/or steam cleaned prior to use in each monitoring well. For water sampling, a single-use disposable bailer and sampling spigot were used. New nylon string was tied to the bailer and lowered into the well for sampling. The bailer, sampling spigot, and nylon string were disposed of after the collection of the water sample from each sampling location.

Groundwater Monitoring Well Water Sampling

Groundwater samples were collected from all wells using a disposable bailer suspended by a clean (new) length of rope. Groundwater samples were decanted from the bailer into appropriate laboratory-supplied, 40-milliliter vials using a bottom decanting petcock device. The containers were sealed, labeled, and placed in a chilled cooler for delivery to the analytical laboratory. Chain-of-custody protocol was followed throughout the sample handling process.

Groundwater Well Survey

After the groundwater monitoring wells were installed, the top of each well casing was surveyed for vertical and horizontal control by a licensed California surveyor. The casing elevation of each well was surveyed to the nearest 0.01 foot relative to mean sea level. Horizontal control was tied to a U.S. Geological Survey or Los Angeles County benchmark.

Depth-to-Groundwater Measurements

An electronic water-level meter was used to measure the depth to groundwater to the nearest 0.01 foot in each well. Groundwater elevations were calculated and used to construct groundwater elevation contour maps from which the direction of groundwater flow and gradient may be evaluated.

ARCADIS

Appendix B

Groundwater Quality
Sampling Information

Water-level Measurements

Project Number: CMD 10272-022

Project Name: Bodycote T-Braze

Project Location: Burke st. SF Springs

Site Conditions/Weather: clear

Comments : _____

Page 1 of 1

Date: 2.10.14

Day: M T W Th F S S

ARCADIS Staff: BTW

Well Number	Time	Depth Measurements (feet below measuring point)			Product Thickness (feet)	Comments (Elevation, Condition Of Well Box, Etc.)
		Casing Depth	Depth to Product	Depth to Water		
MW-2	0700	93		6124		
MW-3		9950		5819		
MW-7		4750		4256		
MCA-3		3910		DRY		
MW-1		106		6026		
MW-17		4751		DRY		
MW-19		101		4707		
MW-18		4665		4303		
MW-8		4180		4166		IWS
MCA-1		4289		DRY		
VW-1		3530		DRY		
VW-2		3470		DRY		
VW-3		3560		DRY		
VW-4		3510		DRY		
MCA-4		4415		DRY		
MW-20		100		6171		
MW-16	AET	3470				2
MW-14		4240		DRY		
MW-5		4790		4515		
MCA-2		3810		DRY		
MW-9		4060		DRY		
MW-10		4020		DRY		
MW-11		4240		DRY		
MW-12		40		DRY		
MW-6		4580		DRY		
MW-15	0820	100		6010		
AS-1		58.80				

Reviewed by: Sco Signed: Jean Ann Date: 2/21/14

45.28



WATER-QUALITY SAMPLING LOG

Project No. CM010272.0022 00001 Date: 2-11-14 Page 1 of 1
Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
Sampler's Name: Brian White / Brent Anderson Sample No.: MW-1 FB
Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No. DUP
Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other ER-01
Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site

Analyses Requested	No. and Type of Bottles Used		
VOCs, Freon-11, Freon-113 by 8260B	5 VOAs		
<u>1,4-Dioxane by EPA 8260B SIM</u>			
Lab Name: <u>Sunstar Labs</u>			
Delivery By	<input type="checkbox"/> Shipment _____ <input checked="" type="checkbox"/> Hand _____		
Well No.	<u>MW-1</u>	Depth of Water	<u>60.26</u>
Well Diameter:	<u>4"</u>	Well Depth	<u>106.00</u>
<input type="checkbox"/> 2" (0.16 gal/feet) <input type="checkbox"/> 5" (1.02 gal/feet)		Water Column Height	<u>45.74 ft</u>
<input checked="" type="checkbox"/> 4" (0.65 gal/feet) <input type="checkbox"/> 6" (1.47 gal/feet)		Well Volume	<u>30.00 K</u>

REVIEWED BY: SW SIGNED: Dawn Loney DATE: 2/21/14



infrastructure providers, builders,

WATER-QUALITY SAMPLING LOG

Project No. CM010272.0022 00001 Date: 2.11.14 Page 1 of 1
Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
Sampler's Name: Brian White / Brent Anderson Sample No.: MW - 2 FB
Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No. DUP

Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____

Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site

Date Purge Water Disposed: To be determined Where Disposed: 31-76 * 0-20 -

Analyses Requested _____ **No. and Type of Bottles Used** _____ **Specimen No.** _____

Analyses Requested **No. and Type of Bottles Used**
VOCs, Freon-11, Freon-113 by 8260B 5 VOAs

1,4-Dioxane by EPA 8260B SIM

Lab Name: Sunstar Labs

Delivery By Shipment _____ Hand _____

Well No. MW-2 Depth of Water 61.24

Well Diameter: 4 0.65' Well Depth 93.00

2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 31.76

4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume $21 \times 3 = 63$

REVIEWED BY: JW SIGNED: James Cimino DATE: 2/21/04



WATER-QUALITY SAMPLING LOG

Project No. CM010272.0022 00001 Date: 2-11-14 Page 1 of 1
Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
Sampler's Name: Brian White / Brent Anderson Sample No.: MW-3 FB
Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP _____

Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____

Purge Water Storage Container Type: _____ 55-Gallon Drum _____ Storage Location: _____ On-Site _____

Date Purge Water Disposed: To be determined Where Disposed: 41.31 x .20

Analyses Requested **No. and Type of Bottles Used** **§ 26**

Analyses Requested VOCs, Freon-11, Freon-113 by 8260B **No. and Type of Bottles Used** 5 VOAs

No. and Type of Bottles Used

Analyses Requested

1,4-Dioxane by EPA 8260B SIM

Lab Name: Sunstar Labs 58.14

Hand

Well No. MW-3 Depth of Water 58.19

Well Diameter: 4" 0.65' Well Depth 99.50

2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 41.31 80% DTW 66.45

4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 26.8 ~ 3 = 80.55

REVIEWED BY: Bro SIGNED: Jean Cimino DATE: 1/21/14



Intersituational, environmental, individual

WATER-QUALITY SAMPLING LOG

Project No. CM010272.0022 00001 Date: MW-5 Page 1 of 1
Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
Sampler's Name: Brian White / Brent Anderson Sample No.: MW-5 FB
Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: DUP

Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____

Purge Water Storage Container Type: _____ 55-Gallon Drum _____ Storage Location: _____ On-Site _____

Date Purge Water Disposed: To be determined Where Disposed: **2.75 x .2**

Analyses Requested **No. and Type of Bottles Used**
VOCs, Freon-11, Freon-113 by 8260B 5 VOAs

1,4-Dioxane by EPA 8260B SIM

Lab Name: Sunstar Labs

Hand

Well No. MW-5 Depth of Water 45.15

Well Diameter: 4 "

Depth of Water 45-15

Well Depth ~~8~~ 47.40

2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 2.75

4' (0.66 gal/foot) 6' (1.47 gal/foot) Wall Volume: $1.8 \times 3 = 5.4$

4 (0.05 gallons) 6 (1.47 gallons) Well volume $1 - 6 = 5 = 5 \text{ gal}$

REVIEWED BY: SW SIGNED: Dinner Lisiony DATE: 2/21/14



INFRASTRUCTURE, INSTITUTIONS, INNOVATION

WATER-QUALITY SAMPLING LOG

Project No. CM010272.0022 00001 Date: 2-13-14 Page 1 of 1
Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
Sampler's Name: Brian White / Brent Anderson Sample No.: MW - 1 FB
Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: DUP

Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____

Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site

Date Purge Water Disposed: To be determined Where Disposed: 4 qu x 30 =

Analyses Requested No. and Type of Bottles Used
VOCs, Freon-11, Freon-113 by 8260B 5 VOAs

1,4-Dioxane by EPA 8260B SIM

Lab Name: Sunstar Labs | 92.56

Shipment Hand

Well No. MW-7 Depth of Water 42.56

Well Diameter: Well Depth 47 . 50

2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 4.94 80% DTW 43.55

4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume $3.2 \times 3 = 9.6$

REVIEWED BY: 80 SIGNED: John Connell DATE: 2/21/14



INFRASTRUCTURE, ENVIRONMENT, INNOVATION

WATER-QUALITY SAMPLING LOG

Project No. CM010272.0022 00001 Date: 7.13.14 Page 1 of 1
Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
Sampler's Name: Brian White / Brent Anderson Sample No.: MW-15 FB
Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP _____

Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____

Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site

Date Purge Water Disposed: _____ To be determined _____ Where Disposed: 39.50 x .20

1,4-Dioxane by EPA 8260B SIM

Lab Name: Sunstar Labs

Delivery By Shipment _____ Hand _____

Well No MW-15 Depth of Water 60.2°

Well Diameter: 4" Well Depth: 100

2" (0.16 gal/feet) 5" (1.02 gal/feet)

Water Column Height 39.80

4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume $25.8 \times 3 = 77$

Digitized by srujanika@gmail.com

Time	Depth to Water	Volume Purged	Temperature (C°)	DO (mg/L)	Turbidity (NTU)	pH (SU)
------	----------------	---------------	------------------	-----------	-----------------	---------

(gal)

REVIEWED BY: *[Signature]*

SIGNED: James L. Smith Jr.

DATE: 2/21/19



WATER-QUALITY SAMPLING LOG

Project No. CM010272.0022 00001 Date: 2.11.14 Page 1 of 1
Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
Sampler's Name: Brian White / Brent Anderson Sample No.: MW-18 FB
Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No. DUP

Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____

Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site

Date Purge Water Disposed: _____ To be determined _____ Where Disposed: _____ 3.63 x .20

Analyses Requested VOCs, Freon-11, Freon-113 by 8260B **No. and Type of Bottles Used** 5 VOAs

1,4-Dioxane by EPA 8260B SIM

Lab Name: Sunstar Labs

Delivery By Shipment Hand

Well No. MW-18 Depth of Water 43.02
Well Diameter: 4 Well Depth 46.65
 2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 3.63
 4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume $3.63 \times 3 = 10.89$

REVIEWED BY: SW SIGNED: Jeanne Loring DATE: 2/21/04



WATER-QUALITY SAMPLING LOG

Project No. CM010272.0022 00001 Date: 2-1-14 Page 1 of 1
Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
Sampler's Name: Brian White / Brent Anderson Sample No.: MW-14 FB
Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: _____ DUP _____

Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____

Purge Water Storage Container Type: _____ 55-Gallon Drum _____ Storage Location: _____ On-Site _____

Date Purge Water Disposed: To be determined Where Disposed: 53.93 x 10 =

Analyses Requested **No. and Type of Bottles Used** **GC-78**

Analyses Requested **No. and Type of Bottles Used**

No. and Type of Bottles Used

VOCs, Freon-11, Freon-113 by 8260B

5 VOAs

1,4-Dioxane by EPA 8260B SIM

Lab Name: Sunstar Labs

Hand

Well No. MMI-19 Depth of Water 47.07

Well Diameter: 4" Well Depth: 12 1/2"

2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 53 9 3 80% DTW 57.85

4" (0.65 gal/foot) 6" (1.47 gal/foot) Well Volume: 35 = 125

REVIEWED BY: SO SIGNED: Sue Clegg DATE: 2/21/04



WATER-QUALITY SAMPLING LOG

Project No. CM010272.0022 00001 Date: 2.13.14 Page 1 of 1
Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
Sampler's Name: Brian White / Brent Anderson Sample No.: MW-20 FB
Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No. DUP

Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____

Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site

Date Purge Water Disposed: To be determined Where Disposed: 24-58-1-21

Analyses Requested **No. and Type of Bottles Used**

No. and Type of Bottles Used

1,4-Dioxane by EPA 8260B SIM
Lab Name: Sunstar Labs + 61.17
Delivery By Shipment _____ Hand _____

Well No. MW-20 Depth of Water 61.17
Well Diameter: 4" Well Depth 100.00
 2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 38.88
 4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 25 x 3 = 75
80% DTW 69.00

REVIEWED BY: Sid SIGNED: Some Guy DATE: 2/21/04

WATER-QUALITY SAMPLING LOG

Project No. CM010272.0022 00001 Date: 2-13-14 Page 1 of 1
Project Name: Bodycote Technibraze Sampling Location: Santa Fe Springs, California
Sampler's Name: Brian White / Brent Anderson Sample No.: AS-1 FB
Sampling Plan By: ARCADIS Dated: June 18, 2004 C.O.C. No.: DUP

Purge Method: Centrifugal Pump Disposable Bailer Hand Bail Submersible Pump Teflon Bailer Other _____

Purge Water Storage Container Type: 55-Gallon Drum Storage Location: On-Site

Date Purge Water Disposed: To be determined Where Disposed: ~~35586-76~~ 13-52 x-32

Analyses Requested VOCs, Freon-11, Freon-113 by 8260B **No. and Type of Bottles Used** 5 VOAs

~~37552 x .70~~ $13.52 \times .20$
~~0.106~~ $=$
~~0.28~~ 2.704

$+ 45.24$

80% DTW ~~8~~ 48.00

Well No. A5-1 Depth of Water 425.28
Well Diameter: 2" Well Depth 58.80
 2" (0.16 gal/feet) 5" (1.02 gal/feet) Water Column Height 333.13.52
 4" (0.65 gal/feet) 6" (1.47 gal/feet) Well Volume 3.33 x 2 x 3 = 6

REVIEWED BY: Sin SIGNED: Jeanne Loring DATE: 2/21/04

ARCADIS

Appendix C

Laboratory Reports and
Chain-of-Custody Forms for
Groundwater Samples



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

19 February 2014

Sonia Cisneros
ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine, CA 92602
RE: Bodycote Technibraze

Enclosed are the results of analyses for samples received by the laboratory on 02/11/14 12:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez
Project Manager

ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0022
 Project Manager: Sonia Cisneros

Reported:
 02/19/14 16:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EB-1	T140245-02	Water	02/11/14 07:30	02/11/14 12:20
MW-1	T140245-03	Water	02/11/14 10:35	02/11/14 12:20
MW-19	T140245-04	Water	02/11/14 08:30	02/11/14 12:20
MW-18	T140245-05	Water	02/11/14 10:40	02/11/14 12:20
MW-2	T140245-06	Water	02/11/14 09:35	02/11/14 12:20
MW-3	T140245-07	Water	02/11/14 10:25	02/11/14 12:20

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

EB-1
T140245-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"	"
Chloroethane	ND	1.0	"	"	"	"	"	"	"
Chloroform	ND	1.0	"	"	"	"	"	"	"
Chloromethane	ND	1.0	"	"	"	"	"	"	"
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	"
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	"
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	"
Dibromomethane	ND	1.0	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	"
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	"
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	"
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	"
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	"

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 2 of 23

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

EB-1
T140245-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.2 %	83.5-119	"	"	"	"	"	
<i>Surrogate: Dibromoformate</i>		105 %	81-136	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.1 %	88.8-117	"	"	"	"	"	
Acetone	ND	10	"	"	4021815	02/18/14	02/19/14	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 3 of 23

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-1
T140245-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 4 of 23

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-1
T140245-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	3.8	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	1.6	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.1 %	83.5-119	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	104 %	81-136	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	98.9 %	88.8-117	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 5 of 23



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-1

T140245-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dioxane	ND	10	ug/l	1	4021117	02/11/14	02/11/14	EPA 8260B	SIM
<i>Surrogate: Dibromoformmethane</i>									
Acetone	ND	97.2 %	60-124	"	"	"	"	EPA 8260B	"

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-19

T140245-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	3.0	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	14	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 7 of 23

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-19

T140245-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	260	5.0	"	5	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	50	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	96.2 %	83.5-119	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	104 %	81-136	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	98.0 %	88.8-117	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 8 of 23

ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0022
 Project Manager: Sonia Cisneros

Reported:
 02/19/14 16:24

MW-19

T140245-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dioxane	ND	10	ug/l	1	4021117	02/11/14	02/11/14	EPA 8260B	SIM
<i>Surrogate: Dibromoformmethane</i>		98.1 %	60-124	"	"	"	"	"	"
Acetone	ND	10	"	"	4021815	02/18/14	02/19/14	EPA 8260B	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 9 of 23

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-18
T140245-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 10 of 23

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-18

T140245-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	41	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	7.1	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.0 %	83.5-119	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	106 %	81-136	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	97.6 %	88.8-117	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 11 of 23



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-18

T140245-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dioxane	ND	10	ug/l	1	4021117	02/11/14	02/11/14	EPA 8260B SIM	
<i>Surrogate: Dibromoformmethane</i>		98.0 %	60-124	"	"	"	"	"	
Acetone	ND	10	"	"	4021815	02/18/14	02/19/14	EPA 8260B	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-2
T140245-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	8.7	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 13 of 23

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-2
T140245-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	19	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	24	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.0 %	83.5-119	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	107 %	81-136	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	97.9 %	88.8-117	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 14 of 23



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-2

T140245-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dioxane	ND	10	ug/l	1	4021117	02/11/14	02/11/14	EPA 8260B	SIM
<i>Surrogate: Dibromoformmethane</i>									
Acetone	ND	97.6 %	60-124	"	"	"	"	EPA 8260B	"

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager

Page 15 of 23

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-3
T140245-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
Bromoform	ND	1.0	"	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"	"
Chloroethane	ND	1.0	"	"	"	"	"	"	"
Chloroform	5.7	1.0	"	"	"	"	"	"	"
Chloromethane	ND	1.0	"	"	"	"	"	"	"
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	"
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	"
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	"
Dibromomethane	ND	1.0	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	"
1,1-Dichloroethene	33	1.0	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	1.5	1.0	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	"
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	"
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	"
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	"

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 16 of 23

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-3

T140245-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	4021118	02/11/14	02/12/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	51	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	54	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	14	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	44	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.2 %	83.5-119	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	107 %	81-136	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	97.9 %	88.8-117	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 17 of 23



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

MW-3

T140245-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dioxane	ND	10	ug/l	1	4021117	02/11/14	02/11/14	EPA 8260B	SIM
<i>Surrogate: Dibromoformmethane</i>									
Acetone	ND	98.9 %	60-124	"	"	"	"	"	"

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4021117 - EPA 5030 GCMS

Blank (4021117-BLK1)

1,4-Dioxane	ND	10	ug/l							
Surrogate: Dibromofluoromethane	7.32	"		8.00		91.5	60-124			

LCS (4021117-BS1)

1,4-Dioxane	38.0	10	ug/l	40.0		95.1	75-125			
Surrogate: Dibromofluoromethane	7.63	"		8.00		95.4	60-124			

Matrix Spike (4021117-MS1)

1,4-Dioxane	39.1	10	ug/l	40.0	ND	97.8	75-125			
Surrogate: Dibromofluoromethane	7.76	"		8.00		97.0	60-124			

Matrix Spike Dup (4021117-MSD1)

1,4-Dioxane	39.5	10	ug/l	40.0	ND	98.7	75-125	0.916	20	
Surrogate: Dibromofluoromethane	7.60	"		8.00		95.0	60-124			

Batch 4021118 - EPA 5030 GCMS

Blank (4021118-BLK1)

Prepared: 02/11/14 Analyzed: 02/12/14

Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 19 of 23

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

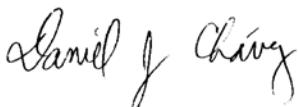
Batch 4021118 - EPA 5030 GCMS

Blank (4021118-BLK1)

Prepared: 02/11/14 Analyzed: 02/12/14

Dibromomethane	ND	1.0	ug/l
1,2-Dichlorobenzene	ND	1.0	"
1,3-Dichlorobenzene	ND	1.0	"
1,4-Dichlorobenzene	ND	1.0	"
Dichlorodifluoromethane	ND	0.50	"
1,1-Dichloroethane	ND	1.0	"
1,2-Dichloroethane	ND	0.50	"
1,1-Dichloroethene	ND	1.0	"
cis-1,2-Dichloroethene	ND	1.0	"
trans-1,2-Dichloroethene	ND	1.0	"
1,2-Dichloropropane	ND	1.0	"
1,3-Dichloropropane	ND	1.0	"
2,2-Dichloropropane	ND	1.0	"
1,1-Dichloropropene	ND	1.0	"
cis-1,3-Dichloropropene	ND	0.50	"
trans-1,3-Dichloropropene	ND	0.50	"
Hexachlorobutadiene	ND	1.0	"
Isopropylbenzene	ND	1.0	"
p-Isopropyltoluene	ND	1.0	"
Methylene chloride	ND	1.0	"
Naphthalene	ND	1.0	"
n-Propylbenzene	ND	1.0	"
Styrene	ND	1.0	"
1,1,2,2-Tetrachloroethane	ND	1.0	"
1,1,1,2-Tetrachloroethane	ND	1.0	"
Tetrachloroethene	ND	1.0	"
1,2,3-Trichlorobenzene	ND	1.0	"
1,2,4-Trichlorobenzene	ND	1.0	"
1,1,2-Trichloroethane	ND	1.0	"
1,1,1-Trichloroethane	ND	1.0	"
Trichloroethene	ND	1.0	"
Trichlorofluoromethane	ND	1.0	"
1,2,3-Trichloropropane	ND	1.0	"
1,3,5-Trimethylbenzene	ND	1.0	"
1,2,4-Trimethylbenzene	ND	1.0	"
Vinyl chloride	ND	1.0	"

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------------

Batch 4021118 - EPA 5030 GCMS

Blank (4021118-BLK1)		Prepared: 02/11/14 Analyzed: 02/12/14					
Benzene	ND	0.50	ug/l				
Toluene	ND	0.50	"				
Ethylbenzene	ND	0.50	"				
m,p-Xylene	ND	1.0	"				
o-Xylene	ND	0.50	"				
<i>Surrogate: 4-Bromofluorobenzene</i>	7.85		"	8.00	98.1	83.5-119	
<i>Surrogate: Dibromofluoromethane</i>	8.07		"	8.00	101	81-136	
<i>Surrogate: Toluene-d8</i>	7.71		"	8.00	96.4	88.8-117	

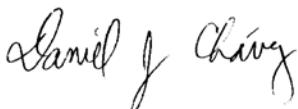
LCS (4021118-BS1)

		Prepared: 02/11/14 Analyzed: 02/12/14					
Chlorobenzene	19.9	1.0	ug/l	20.0	99.6	75-125	
1,1-Dichloroethene	20.2	1.0	"	20.0	101	75-125	
Trichloroethene	20.8	1.0	"	20.0	104	75-125	
Benzene	19.9	0.50	"	20.0	99.4	75-125	
Toluene	20.2	0.50	"	20.0	101	75-125	
<i>Surrogate: 4-Bromofluorobenzene</i>	7.96		"	8.00	99.5	83.5-119	
<i>Surrogate: Dibromofluoromethane</i>	7.88		"	8.00	98.5	81-136	
<i>Surrogate: Toluene-d8</i>	7.74		"	8.00	96.8	88.8-117	

Matrix Spike (4021118-MS1)

		Source: T140245-02 Prepared: 02/11/14 Analyzed: 02/12/14					
Chlorobenzene	20.2	1.0	ug/l	20.0	ND	101	75-125
1,1-Dichloroethene	20.6	1.0	"	20.0	ND	103	75-125
Trichloroethene	20.4	1.0	"	20.0	ND	102	75-125
Benzene	19.9	0.50	"	20.0	ND	99.6	75-125
Toluene	20.3	0.50	"	20.0	ND	101	75-125
<i>Surrogate: 4-Bromofluorobenzene</i>	8.15		"	8.00	102	83.5-119	
<i>Surrogate: Dibromofluoromethane</i>	7.94		"	8.00	99.2	81-136	
<i>Surrogate: Toluene-d8</i>	7.75		"	8.00	96.9	88.8-117	

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------------

Batch 4021118 - EPA 5030 GCMS

Matrix Spike Dup (4021118-MSD1)		Source: T140245-02		Prepared: 02/11/14		Analyzed: 02/12/14			
Chlorobenzene	19.8	1.0	ug/l	20.0	ND	98.8	75-125	2.10	20
1,1-Dichloroethene	19.3	1.0	"	20.0	ND	96.4	75-125	6.38	20
Trichloroethene	20.3	1.0	"	20.0	ND	102	75-125	0.197	20
Benzene	19.4	0.50	"	20.0	ND	97.0	75-125	2.64	20
Toluene	19.4	0.50	"	20.0	ND	97.0	75-125	4.38	20
Surrogate: 4-Bromofluorobenzene	8.02		"	8.00		100	83.5-119		
Surrogate: Dibromofluoromethane	7.91		"	8.00		98.9	81-136		
Surrogate: Toluene-d8	7.73		"	8.00		96.6	88.8-117		

Batch 4021815 - EPA 5030 GCMS

Blank (4021815-BLK1)				Prepared: 02/18/14		Analyzed: 02/19/14			
Acetone	ND	10	ug/l						

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 22 of 23



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/19/14 16:24

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager

Page 23 of 23

CHAIN OF CUSTODY & LABORATORY
ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

7140245

Send Results to:	Contact & Company Name: <i>Sonia Cisneros /A-US</i>	Telephone:	Preservative Filtered (✓)	-	A	A	A		
	Address: <i>320 Commerce</i>	Fax:	# of Containers	2	3	12	3		
City <i>Irving</i>	State <i>CA</i>	Zip <i>92602</i>	E-mail Address:	Container Information					
Project Name/Location (City, State): <i>Bouycole T-Braze</i>			Project #: <i>EM010272.0022</i>	PARAMETER ANALYSIS & METHOD					
Sampler's Printed Name: <i>Brent Anderson, RTW</i>			Sampler's Signature: <i>Brent Anderson</i>						
Sample ID	Collection Date	Type (✓)	Matrix						
	Time	Comp	Grab						
Trip Blank 01	2-11-14	X	Blank	Hold Trip	8260B VOCs	1,4 Dioxane	8260B SLIM	VOCs	
EB-1 02	0730			+Freon 11 +Frm					
MW-1 03	1035			X	X				
MW-14 04	0930			X	X				
MW-18 05	1040			X	X				
MW-2 06	0935			X	X				
MW-3 07	1025			X	X				
REMARKS									
Just 8260B VOCs for EB-1									

Special Instructions/Comments:

 Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By		Received By		Relinquished By		Laboratory Received By	
Lab Name: <i>Sunstar</i>	Cooler Custody Seal (✓) <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: <i>Brent Anderson</i>	Printed Name: <i>Sunny</i>	Printed Name:	Printed Name:	Printed Name:	Printed Name:		
<input checked="" type="checkbox"/> Cooler packed with ice (✓)		Signature: <i>Brent Anderson</i>	Signature: <i>Sunny</i>	Signature:	Signature:	Signature:	Signature:		
Specify Turnaround Requirements: <i>Normal</i>	Sample Receipt:	Firm: <i>A-US</i>	Firm/Courier: <i>Sunstar</i>	Firm/Courier:	Firm:	Firm:	Date/Time:		
Shipping Tracking #:	Condition/Cooler Temp: <i>5.7</i>	Date/Time: <i>2-11-14 / 1220</i>	Date/Time: <i>2-11-14 12-20</i>	Date/Time:	Date/Time:	Date/Time:	PINK – Retained by ARCADIS		

Keys	
Preservation Key:	Container Information Key:
A. H ₂ SO ₄	1. 40 ml Vial
B. HCl	2. 1 L Amber
C. HNO ₃	3. 250 ml Plastic
D. NaOH	4. 500 ml Plastic
E. None	5. Encore
F. Other:	6. 2 oz. Glass
G. Other:	7. 4 oz. Glass
H. Other:	8. 8 oz. Glass
	9. Other:
	10. Other:

SO - Soil SE - Sediment NL - NAPL/Oil
 W - Water SL - Sludge SW - Sample Wipe
 T - Tissue A - Air Other



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

21 February 2014

Sonia Cisneros
ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine, CA 92602
RE: Bodycote Technibraze

Enclosed are the results of analyses for samples received by the laboratory on 02/13/14 12:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez
Project Manager

ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0022
 Project Manager: Sonia Cisneros

Reported:
 02/21/14 09:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-15	T140271-01	Water	02/13/14 09:30	02/13/14 12:30
MW-7	T140271-02	Water	02/13/14 11:00	02/13/14 12:30
MW-5	T140271-03	Water	02/13/14 09:40	02/13/14 12:30
MW-20	T140271-04	Water	02/13/14 10:00	02/13/14 12:30
DUP	T140271-05	Water	02/13/14 00:00	02/13/14 12:30

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

MW-15

T140271-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	4021342	02/13/14	02/15/14	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"	"
Chloroethane	ND	1.0	"	"	"	"	"	"	"
Chloroform	ND	1.0	"	"	"	"	"	"	"
Chloromethane	ND	1.0	"	"	"	"	"	"	"
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	"
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	"
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	"
Dibromomethane	ND	1.0	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	"
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	"
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	"
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	"
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	"

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 2 of 21

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

MW-15

T140271-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	4021342	02/13/14	02/15/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	4.8	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.5 %</i>	<i>83.5-119</i>		"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>98.6 %</i>	<i>81-136</i>		"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>88.8-117</i>		"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 3 of 21

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

MW-15

T140271-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dioxane	ND	10	ug/l	1	4021333	02/13/14	02/17/14	EPA 8260B	SIM
<i>Surrogate: Dibromoformmethane</i>									
Acetone	ND	105 %	60-124	"	"	"	"	"	"

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 4 of 21

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

MW-7
T140271-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	4021342	02/13/14	02/15/14	EPA 8260B	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 5 of 21

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

MW-7
T140271-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	4021342	02/13/14	02/15/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	410	5.0	"	5	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	35	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>83.5-119</i>							
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	<i>81-136</i>							
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>88.8-117</i>							

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 6 of 21

ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0022
 Project Manager: Sonia Cisneros

Reported:
 02/21/14 09:06

MW-7

T140271-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dioxane	ND	10	ug/l	1	4021333	02/13/14	02/17/14	EPA 8260B SIM	
<i>Surrogate: Dibromoformmethane</i>									
Acetone	ND	104 %	60-124	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 7 of 21

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

MW-5

T140271-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	4021342	02/13/14	02/15/14	EPA 8260B	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 8 of 21

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

MW-5

T140271-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	4021342	02/13/14	02/15/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	17	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.5 %</i>	<i>83.5-119</i>							
<i>Surrogate: Dibromofluoromethane</i>	<i>106 %</i>	<i>81-136</i>							
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>88.8-117</i>							

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 9 of 21

ARCADIS -- Irvine
 320 Commerce, Suite 200
 Irvine CA, 92602

Project: Bodycote Technibraze
 Project Number: CM010272.0022
 Project Manager: Sonia Cisneros

Reported:
 02/21/14 09:06

MW-5

T140271-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dioxane	ND	10	ug/l	1	4021333	02/13/14	02/17/14	EPA 8260B	SIM
<i>Surrogate: Dibromoformmethane</i>									
Acetone	ND	108 %	60-124	"	"	"	"	"	"

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 10 of 21

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

MW-20

T140271-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	4021342	02/13/14	02/15/14	EPA 8260B	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 11 of 21

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

MW-20

T140271-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

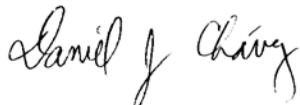
SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	4021342	02/13/14	02/15/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	2.2	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	1.7	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.2 %	83.5-119	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	99.8 %	81-136	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	99.0 %	88.8-117	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 12 of 21



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

MW-20

T140271-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dioxane	ND	10	ug/l	1	4021333	02/13/14	02/17/14	EPA 8260B SIM	
<i>Surrogate: Dibromoformmethane</i>									
Acetone	ND	110 %	60-124	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager

Page 13 of 21

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

DUP
T140271-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	4021342	02/13/14	02/15/14	EPA 8260B	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 14 of 21

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

DUP
T140271-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.50	ug/l	1	4021342	02/13/14	02/15/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	560	5.0	"	5	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	36	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>103 %</i>	<i>83.5-119</i>							
<i>Surrogate: Dibromofluoromethane</i>	<i>105 %</i>	<i>81-136</i>							
<i>Surrogate: Toluene-d8</i>	<i>103 %</i>	<i>88.8-117</i>							

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 15 of 21



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

DUP

T140271-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dioxane	ND	10	ug/l	1	4021333	02/13/14	02/17/14	EPA 8260B SIM	
<i>Surrogate: Dibromoformmethane</i>									
Acetone	ND	10	"	"	4022015	02/20/14	02/20/14	EPA 8260B	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4021333 - EPA 5030 GCMS

Blank (4021333-BLK1)							Prepared: 02/13/14 Analyzed: 02/17/14			
1,4-Dioxane	ND	10	ug/l							
Surrogate: Dibromofluoromethane	8.02	"		8.00		100	60-124			
LCS (4021333-BS1)							Prepared: 02/13/14 Analyzed: 02/17/14			
1,4-Dioxane	41.8	10	ug/l	40.0		104	75-125			
Surrogate: Dibromofluoromethane	8.07	"		8.00		101	60-124			
Matrix Spike (4021333-MS1)							Source: T140255-03 Prepared: 02/13/14 Analyzed: 02/17/14			
1,4-Dioxane	36.7	10	ug/l	40.0	ND	91.8	75-125			
Surrogate: Dibromofluoromethane	8.49	"		8.00		106	60-124			
Matrix Spike Dup (4021333-MSD1)							Source: T140255-03 Prepared: 02/13/14 Analyzed: 02/17/14			
1,4-Dioxane	43.4	10	ug/l	40.0	ND	109	75-125	16.7	20	
Surrogate: Dibromofluoromethane	9.10	"		8.00		114	60-124			

Batch 4021342 - EPA 5030 GCMS

Blank (4021342-BLK1)							Prepared: 02/13/14 Analyzed: 02/14/14			
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4021342 - EPA 5030 GCMS

Blank (4021342-BLK1)

Prepared: 02/13/14 Analyzed: 02/14/14

Dibromomethane	ND	1.0	ug/l
1,2-Dichlorobenzene	ND	1.0	"
1,3-Dichlorobenzene	ND	1.0	"
1,4-Dichlorobenzene	ND	1.0	"
Dichlorodifluoromethane	ND	0.50	"
1,1-Dichloroethane	ND	1.0	"
1,2-Dichloroethane	ND	0.50	"
1,1-Dichloroethene	ND	1.0	"
cis-1,2-Dichloroethene	ND	1.0	"
trans-1,2-Dichloroethene	ND	1.0	"
1,2-Dichloropropane	ND	1.0	"
1,3-Dichloropropane	ND	1.0	"
2,2-Dichloropropane	ND	1.0	"
1,1-Dichloropropene	ND	1.0	"
cis-1,3-Dichloropropene	ND	0.50	"
trans-1,3-Dichloropropene	ND	0.50	"
Hexachlorobutadiene	ND	1.0	"
Isopropylbenzene	ND	1.0	"
p-Isopropyltoluene	ND	1.0	"
Methylene chloride	ND	1.0	"
Naphthalene	ND	1.0	"
n-Propylbenzene	ND	1.0	"
Styrene	ND	1.0	"
1,1,2,2-Tetrachloroethane	ND	1.0	"
1,1,1,2-Tetrachloroethane	ND	1.0	"
Tetrachloroethene	ND	1.0	"
1,2,3-Trichlorobenzene	ND	1.0	"
1,2,4-Trichlorobenzene	ND	1.0	"
1,1,2-Trichloroethane	ND	1.0	"
1,1,1-Trichloroethane	ND	1.0	"
Trichloroethene	ND	1.0	"
Trichlorofluoromethane	ND	1.0	"
1,2,3-Trichloropropane	ND	1.0	"
1,3,5-Trimethylbenzene	ND	1.0	"
1,2,4-Trimethylbenzene	ND	1.0	"
Vinyl chloride	ND	1.0	"

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------------

Batch 4021342 - EPA 5030 GCMS

Blank (4021342-BLK1)	Prepared: 02/13/14 Analyzed: 02/14/14						
Benzene	ND	0.50	ug/l				
Toluene	ND	0.50	"				
Ethylbenzene	ND	0.50	"				
m,p-Xylene	ND	1.0	"				
o-Xylene	ND	0.50	"				
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	5.0	"				
<i>Surrogate: 4-Bromofluorobenzene</i>	8.07		"	8.00	101	83.5-119	
<i>Surrogate: Dibromofluoromethane</i>	8.29		"	8.00	104	81-136	
<i>Surrogate: Toluene-d8</i>	8.22		"	8.00	103	88.8-117	
LCS (4021342-BS1)	Prepared: 02/13/14 Analyzed: 02/14/14						
Chlorobenzene	16.9	1.0	ug/l	20.0	84.4	75-125	
1,1-Dichloroethene	15.4	1.0	"	20.0	77.0	75-125	
Trichloroethene	16.0	1.0	"	20.0	80.0	75-125	
Benzene	16.6	0.50	"	20.0	82.8	75-125	
Toluene	17.3	0.50	"	20.0	86.4	75-125	
<i>Surrogate: 4-Bromofluorobenzene</i>	7.66		"	8.00	95.8	83.5-119	
<i>Surrogate: Dibromofluoromethane</i>	8.48		"	8.00	106	81-136	
<i>Surrogate: Toluene-d8</i>	8.11		"	8.00	101	88.8-117	
Matrix Spike (4021342-MS1)	Source: T140271-01			Prepared: 02/13/14 Analyzed: 02/15/14			
Chlorobenzene	17.0	1.0	ug/l	20.0	ND	85.2	75-125
1,1-Dichloroethene	14.9	1.0	"	20.0	ND	74.6	75-125
Trichloroethene	20.9	1.0	"	20.0	4.81	80.2	75-125
Benzene	16.7	0.50	"	20.0	ND	83.7	75-125
Toluene	16.9	0.50	"	20.0	ND	84.6	75-125
<i>Surrogate: 4-Bromofluorobenzene</i>	8.39		"	8.00	105	83.5-119	
<i>Surrogate: Dibromofluoromethane</i>	7.91		"	8.00	98.9	81-136	
<i>Surrogate: Toluene-d8</i>	7.95		"	8.00	99.4	88.8-117	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 19 of 21

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------------

Batch 4021342 - EPA 5030 GCMS

Matrix Spike Dup (4021342-MSD1)		Source: T140271-01		Prepared: 02/13/14		Analyzed: 02/15/14			
Chlorobenzene	17.2	1.0	ug/l	20.0	ND	86.0	75-125	0.993	20
1,1-Dichloroethene	16.7	1.0	"	20.0	ND	83.4	75-125	11.2	20
Trichloroethene	21.4	1.0	"	20.0	4.81	82.8	75-125	2.37	20
Benzene	16.6	0.50	"	20.0	ND	83.2	75-125	0.539	20
Toluene	18.2	0.50	"	20.0	ND	91.0	75-125	7.23	20
<i>Surrogate: 4-Bromofluorobenzene</i>	7.72		"	8.00		96.5	83.5-119		
<i>Surrogate: Dibromofluoromethane</i>	8.22		"	8.00		103	81-136		
<i>Surrogate: Toluene-d8</i>	8.02		"	8.00		100	88.8-117		

Batch 4022015 - EPA 5030 GCMS

Blank (4022015-BLK1)	Prepared & Analyzed: 02/20/14		
Acetone	ND	10	ug/l

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 20 of 21



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022
Project Manager: Sonia Cisneros

Reported:
02/21/14 09:06

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ID#:

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

T140271

Contact & Company Name: <i>Santa Cisneros /A-US</i>	Telephone:
Address: <i>326 Commerce</i>	Fax:
City <i>Irvine</i> State <i>CA</i> Zip <i>92602</i>	E-mail Address:

Project Name/Location (City, State):
T-Braze SF spring

Sampler's Printed Name:
Brent Anderson

Sample ID

Sample ID	Collection		Type (✓)	Matrix
	Date	Time	Comp	
MW-15 01	2.13.14	0930	K	Water
MW-1 02		1000		
MW-5 03		1000		
MW-26 04		1000		
DWP-1 05	▼	—	▼	▼

Preservative	<input checked="" type="checkbox"/> B	<input checked="" type="checkbox"/> B				
Filtered (✓)	—	—				
# of Containers	3	2				
Container Information	1	1				

PARAMETER ANALYSIS & METHOD

VOCs	8260	14	260	8260				

Keys	
Preservation Key:	Container Information Key:
A. H ₂ SO ₄	1. 40 ml Vial
B. HCl	2. 1 L Amber
C. HNO ₃	3. 250 ml Plastic
D. NaOH	4. 500 ml Plastic
E. None	5. Encore
F. Other	6. 2 oz. Glass
G. Other	7. 4 oz. Glass
H. Other	8. 8 oz. Glass
	9. Other
	10. Other
Matrix Key:	
SO - Soil	SE - Sediment
W - Water	SL - Sludge
T - Tissue	SW - Sample Wipe
A - Air	Other

REMARKS

Special Instructions/Comments:

Special QA/QC Instructions(✓):

Laboratory Information and Receipt	Cooler Custody Seal (✓)	Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: <i>Sunstar</i>	<input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Printed Name: <i>Brent Anderson</i> Signature: <i>Brent</i>	Printed Name: <i>Sunstar</i> Signature: <i>Sunstar</i>	Printed Name: Firm/Courier: <i>Sunstar</i>	Printed Name: Firm/Courier: <i>Sunstar</i>
Specify Turnaround Requirements: <i>Normal</i>	Sample Receipt:	Firm: <i>A-US</i>	Firm/Courier: <i>Sunstar</i>	Firm/Courier: Firm:	Firm/Courier: Firm:
Shipping Tracking #:	Condition/Cooler Temp: 2.7	Date/Time: <i>2.13.14 12:30</i>	Date/Time: <i>2.13.14 12:30</i>	Date/Time:	Date/Time:

ARCADIS

Appendix D

Laboratory Reports and
Chain-of-Custody Forms for Soil
Vapor Samples



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

18 February 2014

Sonia Cisneros
ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine, CA 92602
RE: Bodycote Technibraze

Enclosed are the results of analyses for samples received by the laboratory on 02/11/14 12:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez
Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VM-13A SSAT-0035	T140246-01	Air	02/10/14 09:27	02/11/14 12:20
VM-15A SSAT-0088	T140246-02	Air	02/10/14 09:45	02/11/14 12:20
VM-5 SSAT-0129	T140246-03	Air	02/10/14 08:45	02/11/14 12:20
VM-19 SSAT-0174	T140246-04	Air	02/10/14 10:00	02/11/14 12:20
VM-9 SSAT-0455	T140246-05	Air	02/10/14 09:10	02/11/14 12:20

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

VM-13A SSAT-0035

T140246-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B in Air

Bromobenzene	ND	0.15	ppm(v)	1	4021215	02/12/14	02/12/14	EPA 8260B	
Bromochloromethane	ND	0.19	"	"	"	"	"	"	"
Bromodichloromethane	ND	0.15	"	"	"	"	"	"	"
Bromoform	ND	0.095	"	"	"	"	"	"	"
Bromomethane	ND	0.25	"	"	"	"	"	"	"
n-Butylbenzene	ND	0.18	"	"	"	"	"	"	"
sec-Butylbenzene	ND	0.18	"	"	"	"	"	"	"
tert-Butylbenzene	ND	0.18	"	"	"	"	"	"	"
Carbon tetrachloride	ND	0.078	"	"	"	"	"	"	"
Chlorobenzene	ND	0.21	"	"	"	"	"	"	"
Chloroethane	ND	0.37	"	"	"	"	"	"	"
Chloroform	ND	0.20	"	"	"	"	"	"	"
Chloromethane	ND	0.48	"	"	"	"	"	"	"
2-Chlorotoluene	ND	0.19	"	"	"	"	"	"	"
4-Chlorotoluene	ND	0.19	"	"	"	"	"	"	"
Dibromochloromethane	ND	0.12	"	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.13	"	"	"	"	"	"	"
Dibromomethane	ND	0.14	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.099	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	0.24	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.12	"	"	"	"	"	"	"
1,1-Dichloroethene	ND	0.25	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	0.25	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	0.25	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.21	"	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.21	"	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.21	"	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.22	"	"	"	"	"	"	"

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 2 of 15

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

VM-13A SSAT-0035

T140246-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B in Air

cis-1,3-Dichloropropene	ND	0.11	ppm(v)	1	4021215	02/12/14	02/12/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.11	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.092	"	"	"	"	"	"	
Isopropylbenzene	ND	0.20	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.18	"	"	"	"	"	"	
Methylene chloride	ND	0.28	"	"	"	"	"	"	
Naphthalene	ND	0.19	"	"	"	"	"	"	
n-Propylbenzene	ND	0.20	"	"	"	"	"	"	
Styrene	ND	0.23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.14	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.14	"	"	"	"	"	"	
Tetrachloroethene	ND	0.14	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.13	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.13	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.18	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.18	"	"	"	"	"	"	
Trichloroethene	ND	0.18	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.17	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.16	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	
Vinyl chloride	ND	0.19	"	"	"	"	"	"	
Benzene	ND	0.15	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.11	"	"	"	"	"	"	
m,p-Xylene	ND	0.23	"	"	"	"	"	"	
o-Xylene	ND	0.11	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.4 %	80-119	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %	66.4-140	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.2 %	89.3-110	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 3 of 15

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

VM-15A SSAT-0088
T140246-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B in Air

Bromobenzene	ND	0.15	ppm(v)	1	4021215	02/12/14	02/12/14	EPA 8260B	
Bromoform	ND	0.19	"	"	"	"	"	"	
Bromodichloromethane	ND	0.15	"	"	"	"	"	"	
Bromomethane	ND	0.095	"	"	"	"	"	"	
n-Butylbenzene	ND	0.25	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.18	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.18	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.078	"	"	"	"	"	"	
Chlorobenzene	ND	0.21	"	"	"	"	"	"	
Chloroethane	ND	0.37	"	"	"	"	"	"	
Chloroform	ND	0.20	"	"	"	"	"	"	
Chloromethane	ND	0.48	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.19	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.19	"	"	"	"	"	"	
Dibromochloromethane	ND	0.12	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.13	"	"	"	"	"	"	
Dibromomethane	ND	0.14	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.099	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.24	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.12	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.21	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.21	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.21	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.22	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 4 of 15

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

VM-15A SSAT-0088

T140246-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B in Air

cis-1,3-Dichloropropene	ND	0.11	ppm(v)	1	4021215	02/12/14	02/12/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.11	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.092	"	"	"	"	"	"	
Isopropylbenzene	ND	0.20	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.18	"	"	"	"	"	"	
Methylene chloride	ND	0.28	"	"	"	"	"	"	
Naphthalene	ND	0.19	"	"	"	"	"	"	
n-Propylbenzene	ND	0.20	"	"	"	"	"	"	
Styrene	ND	0.23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.14	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.14	"	"	"	"	"	"	
Tetrachloroethene	ND	0.14	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.13	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.13	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.18	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.18	"	"	"	"	"	"	
Trichloroethene	ND	0.18	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.17	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.16	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	
Vinyl chloride	ND	0.19	"	"	"	"	"	"	
Benzene	ND	0.15	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.11	"	"	"	"	"	"	
m,p-Xylene	ND	0.23	"	"	"	"	"	"	
o-Xylene	ND	0.11	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.8 %	80-119	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %	66.4-140	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.9 %	89.3-110	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 5 of 15

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

VM-5 SSAT-0129

T140246-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B in Air

Bromobenzene	ND	0.15	ppm(v)	1	4021215	02/12/14	02/12/14	EPA 8260B	
Bromoform	ND	0.19	"	"	"	"	"	"	
Bromodichloromethane	ND	0.15	"	"	"	"	"	"	
Bromomethane	ND	0.095	"	"	"	"	"	"	
n-Butylbenzene	ND	0.25	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.18	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.18	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.078	"	"	"	"	"	"	
Chlorobenzene	ND	0.21	"	"	"	"	"	"	
Chloroethane	ND	0.37	"	"	"	"	"	"	
Chloroform	ND	0.20	"	"	"	"	"	"	
Chloromethane	ND	0.48	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.19	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.19	"	"	"	"	"	"	
Dibromochloromethane	ND	0.12	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.13	"	"	"	"	"	"	
Dibromomethane	ND	0.14	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.099	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.24	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.12	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.21	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.21	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.21	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.22	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 6 of 15

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

VM-5 SSAT-0129

T140246-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B in Air

cis-1,3-Dichloropropene	ND	0.11	ppm(v)	1	4021215	02/12/14	02/12/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.11	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.092	"	"	"	"	"	"	
Isopropylbenzene	ND	0.20	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.18	"	"	"	"	"	"	
Methylene chloride	ND	0.28	"	"	"	"	"	"	
Naphthalene	ND	0.19	"	"	"	"	"	"	
n-Propylbenzene	ND	0.20	"	"	"	"	"	"	
Styrene	ND	0.23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.14	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.14	"	"	"	"	"	"	
Tetrachloroethene	ND	0.14	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.13	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.13	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.18	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.18	"	"	"	"	"	"	
Trichloroethene	ND	0.18	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.17	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.16	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	
Vinyl chloride	ND	0.19	"	"	"	"	"	"	
Benzene	ND	0.15	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.11	"	"	"	"	"	"	
m,p-Xylene	ND	0.23	"	"	"	"	"	"	
o-Xylene	ND	0.11	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.1 %	80-119	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %	66.4-140	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.0 %	89.3-110	"	"	"	"	"	

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

VM-19 SSAT-0174
T140246-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B in Air

Bromobenzene	ND	0.15	ppm(v)	1	4021215	02/12/14	02/12/14	EPA 8260B	
Bromoform	ND	0.19	"	"	"	"	"	"	
Bromodichloromethane	ND	0.15	"	"	"	"	"	"	
Bromomethane	ND	0.095	"	"	"	"	"	"	
n-Butylbenzene	ND	0.25	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.18	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.18	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.078	"	"	"	"	"	"	
Chlorobenzene	ND	0.21	"	"	"	"	"	"	
Chloroethane	ND	0.37	"	"	"	"	"	"	
Chloroform	ND	0.20	"	"	"	"	"	"	
Chloromethane	ND	0.48	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.19	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.19	"	"	"	"	"	"	
Dibromochloromethane	ND	0.12	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.13	"	"	"	"	"	"	
Dibromomethane	ND	0.14	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.099	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.24	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.12	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.21	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.21	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.21	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.22	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 8 of 15

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

VM-19 SSAT-0174
T140246-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B in Air

cis-1,3-Dichloropropene	ND	0.11	ppm(v)	1	4021215	02/12/14	02/12/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.11	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.092	"	"	"	"	"	"	
Isopropylbenzene	ND	0.20	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.18	"	"	"	"	"	"	
Methylene chloride	ND	0.28	"	"	"	"	"	"	
Naphthalene	ND	0.19	"	"	"	"	"	"	
n-Propylbenzene	ND	0.20	"	"	"	"	"	"	
Styrene	ND	0.23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.14	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.14	"	"	"	"	"	"	
Tetrachloroethene	ND	0.14	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.13	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.13	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.18	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.18	"	"	"	"	"	"	
Trichloroethene	ND	0.18	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.17	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.16	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	
Vinyl chloride	ND	0.19	"	"	"	"	"	"	
Benzene	ND	0.15	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.11	"	"	"	"	"	"	
m,p-Xylene	ND	0.23	"	"	"	"	"	"	
o-Xylene	ND	0.11	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.0 %	80-119	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		107 %	66.4-140	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.1 %	89.3-110	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 9 of 15

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

VM-9 SSAT-0455

T140246-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B in Air

Bromobenzene	ND	0.15	ppm(v)	1	4021215	02/12/14	02/12/14	EPA 8260B	
Bromoform	ND	0.19	"	"	"	"	"	"	
Bromodichloromethane	ND	0.15	"	"	"	"	"	"	
Bromomethane	ND	0.095	"	"	"	"	"	"	
n-Butylbenzene	ND	0.25	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.18	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.18	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.078	"	"	"	"	"	"	
Chlorobenzene	ND	0.21	"	"	"	"	"	"	
Chloroethane	ND	0.37	"	"	"	"	"	"	
Chloroform	ND	0.20	"	"	"	"	"	"	
Chloromethane	ND	0.48	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.19	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.19	"	"	"	"	"	"	
Dibromochloromethane	ND	0.12	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.13	"	"	"	"	"	"	
Dibromomethane	ND	0.14	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.16	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.099	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.24	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.12	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.25	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.25	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.21	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.21	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.21	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.22	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 10 of 15

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

VM-9 SSAT-0455
T140246-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B in Air

cis-1,3-Dichloropropene	ND	0.11	ppm(v)	1	4021215	02/12/14	02/12/14	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.11	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.092	"	"	"	"	"	"	
Isopropylbenzene	ND	0.20	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.18	"	"	"	"	"	"	
Methylene chloride	ND	0.28	"	"	"	"	"	"	
Naphthalene	ND	0.19	"	"	"	"	"	"	
n-Propylbenzene	ND	0.20	"	"	"	"	"	"	
Styrene	ND	0.23	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.14	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.14	"	"	"	"	"	"	
Tetrachloroethene	ND	0.14	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.13	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.13	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.18	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.18	"	"	"	"	"	"	
Trichloroethene	ND	0.18	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.17	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.16	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	
Vinyl chloride	ND	0.19	"	"	"	"	"	"	
Benzene	ND	0.15	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.11	"	"	"	"	"	"	
m,p-Xylene	ND	0.23	"	"	"	"	"	"	
o-Xylene	ND	0.11	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.5 %	80-119	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %	66.4-140	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.0 %	89.3-110	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Chavez, Project Manager

Page 11 of 15

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

Volatile Organic Compounds by EPA Method 8260B in Air - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4021215 - EPA 5030 GCMS

Blank (4021215-BLK1)

Prepared & Analyzed: 02/12/14

Bromobenzene	ND	0.15	ppm(v)							
Bromochloromethane	ND	0.19	"							
Bromodichloromethane	ND	0.15	"							
Bromoform	ND	0.095	"							
Bromomethane	ND	0.25	"							
n-Butylbenzene	ND	0.18	"							
sec-Butylbenzene	ND	0.18	"							
tert-Butylbenzene	ND	0.18	"							
Carbon tetrachloride	ND	0.078	"							
Chlorobenzene	ND	0.21	"							
Chloroethane	ND	0.37	"							
Chloroform	ND	0.20	"							
Chloromethane	ND	0.48	"							
2-Chlorotoluene	ND	0.19	"							
4-Chlorotoluene	ND	0.19	"							
Dibromochloromethane	ND	0.12	"							
1,2-Dibromo-3-chloropropane	ND	0.10	"							
1,2-Dibromoethane (EDB)	ND	0.13	"							
Dibromomethane	ND	0.14	"							
1,2-Dichlorobenzene	ND	0.16	"							
1,3-Dichlorobenzene	ND	0.16	"							
1,4-Dichlorobenzene	ND	0.16	"							
Dichlorodifluoromethane	ND	0.099	"							
1,1-Dichloroethane	ND	0.24	"							
1,2-Dichloroethane	ND	0.12	"							
1,1-Dichloroethene	ND	0.25	"							
cis-1,2-Dichloroethene	ND	0.25	"							
trans-1,2-Dichloroethene	ND	0.25	"							
1,2-Dichloropropane	ND	0.21	"							
1,3-Dichloropropane	ND	0.21	"							
2,2-Dichloropropane	ND	0.21	"							
1,1-Dichloropropene	ND	0.22	"							
cis-1,3-Dichloropropene	ND	0.11	"							
trans-1,3-Dichloropropene	ND	0.11	"							
Hexachlorobutadiene	ND	0.092	"							
Isopropylbenzene	ND	0.20	"							

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

Volatile Organic Compounds by EPA Method 8260B in Air - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4021215 - EPA 5030 GCMS

Blank (4021215-BLK1)

Prepared & Analyzed: 02/12/14

p-Isopropyltoluene	ND	0.18	ppm(v)							
Methylene chloride	ND	0.28	"							
Naphthalene	ND	0.19	"							
n-Propylbenzene	ND	0.20	"							
Styrene	ND	0.23	"							
1,1,2,2-Tetrachloroethane	ND	0.14	"							
1,1,1,2-Tetrachloroethane	ND	0.14	"							
Tetrachloroethene	ND	0.14	"							
1,2,3-Trichlorobenzene	ND	0.13	"							
1,2,4-Trichlorobenzene	ND	0.13	"							
1,1,2-Trichloroethane	ND	0.18	"							
1,1,1-Trichloroethane	ND	0.18	"							
Trichloroethene	ND	0.18	"							
Trichlorofluoromethane	ND	0.17	"							
1,2,3-Trichloropropane	ND	0.16	"							
1,3,5-Trimethylbenzene	ND	0.20	"							
1,2,4-Trimethylbenzene	ND	0.20	"							
Vinyl chloride	ND	0.19	"							
Benzene	ND	0.15	"							
Toluene	ND	0.13	"							
Ethylbenzene	ND	0.11	"							
m,p-Xylene	ND	0.23	"							
o-Xylene	ND	0.11	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	5.25		"	5.52		95.1	80-119			
<i>Surrogate: Dibromofluoromethane</i>	4.86		"	4.83		101	66.4-140			
<i>Surrogate: Toluene-d8</i>	9.41		"	9.59		98.1	89.3-110			

LCS (4021215-BS1)

Prepared & Analyzed: 02/12/14

Chlorobenzene	19.5	0.21	ppm(v)	21.3		91.4	75-125			
1,1-Dichloroethene	21.1	0.25	"	24.8		85.0	75-125			
Trichloroethene	16.9	0.18	"	18.3		92.2	75-125			
Benzene	27.6	0.15	"	30.8		89.8	75-125			
Toluene	23.7	0.13	"	26.1		90.8	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	5.66		"	5.52		102	80-119			
<i>Surrogate: Dibromofluoromethane</i>	4.44		"	4.83		92.0	66.4-140			
<i>Surrogate: Toluene-d8</i>	9.42		"	9.59		98.2	89.3-110			

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

Volatile Organic Compounds by EPA Method 8260B in Air - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------------

Batch 4021215 - EPA 5030 GCMS

LCS Dup (4021215-BSD1)		Prepared & Analyzed: 02/12/14							
Chlorobenzene	19.2	0.21	ppm(v)	21.3	89.8	75-125	1.77	20	
1,1-Dichloroethene	21.6	0.25	"	24.8	87.1	75-125	2.50	20	
Trichloroethene	16.7	0.18	"	18.3	91.1	75-125	1.26	20	
Benzene	28.7	0.15	"	30.8	93.2	75-125	3.77	20	
Toluene	23.3	0.13	"	26.1	89.5	75-125	1.39	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	5.52		"	5.52	99.9	80-119			
<i>Surrogate: Dibromofluoromethane</i>	5.08		"	4.83	105	66.4-140			
<i>Surrogate: Toluene-d8</i>	9.29		"	9.59	96.9	89.3-110			

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager

Page 14 of 15



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

ARCADIS -- Irvine
320 Commerce, Suite 200
Irvine CA, 92602

Project: Bodycote Technibraze
Project Number: CM010272.0022 00001
Project Manager: Sonia Cisneros

Reported:
02/18/14 16:34

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez, Project Manager

Page 15 of 15

CHAIN OF CUSTODY & LABORATORY
ANALYSIS REQUEST FORMPage 1 of 1

Lab Work Order #

T140246

Send Results to:	Contact & Company Name: GAVIA CISNEROS	Telephone:	Preservative: <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
	Address:	Fax:	Filtered (<input checked="" type="checkbox"/>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
City State Zip:	IRVINE CA	E-mail Address:	# of Containers: 1										
Sampler's Printed Name:	BRIAN WHITE	Sampler's Signature: <i>Brian White</i>	Container Information: 9										
Project Name/Location (City, State): BALBOA-T Beach			Project #: CNO10272.0022.000			PARAMETER ANALYSIS & METHOD							
Sample ID			Collection Date	Type (<input checked="" type="checkbox"/>) Time	Comp	Grab	Matrix						
01	VW-13A-SSAT-0035	2/10/14 0927	X	Air	X								
02	VW-15A-SSAT-0088	0945			X								
03	VW-5-SSAT-0129	0845			X								
04	VW-19-SSAT-0174	1000			X								
05	VW-9-SSAT-0455	0910			X								
REMARKS													
Special Instructions/Comments: Please C.C. Melissa Zitman & Dwayne Campeau RESULTS													
Laboratory Information and Receipt			Cooler Custody Seal (<input checked="" type="checkbox"/>)		Relinquished By		Received By		Relinquished By		Laboratory Received By		
Lab Name: Sunstar	<input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Printed Name: Brent Anderson <i>BLA</i>		Printed Name: Sunny <i>SUN</i>		Printed Name:		Printed Name:		Printed Name:		
<input type="checkbox"/> Cooler packed with ice (<input checked="" type="checkbox"/>)			Signature:		Signature:								
Specify Turnaround Requirements: Normal	Sample Receipt:		Firm: A-US		Firm/Courier: <i>ASL</i> SunStar		Firm/Courier:		Firm:		Firm:		
Shipping Tracking #:	Condition/Cooler Temp:		Date/Time: 2-11-14 / 1220		Date/Time: 2-11-14 / 12:20		Date/Time:		Date/Time:		Date/Time:		

Keys	
Preservation Key:	Container Information Key:
A. H ₂ SO ₄	1. 40 ml Vial
B. HCl	2. 1 L Amber
C. HNO ₃	3. 250 ml Plastic
D. NaOH	4. 500 ml Plastic
E. None	5. Encore
F. Other:	6. 2 oz. Glass
G. Other:	7. 4 oz. Glass
H. Other:	8. 8 oz. Glass
	9. Other: <i>Samples</i>
	10. Other:

Matrix Key:
 SO - Soil SE - Sediment NL - NAPL/Oil
 W - Water SL - Sludge SW - Sample Wipe
 T - Tissue A - Air Other:

* PLEASE DO **NOT** WRITE ON OR PLACE LABELS ON SUMMA CANS

SunStar Laboratories

Canister Data Sheet

Client: ARCADIS_BRIAN_2-4-14_15+1

Shipping Information			Sampling Information					
Canister Serial #	CHECK	Pressure (-30 +/- 2 psia)	Sample ID	Sample Date	Initial Pressure	Final Pressure	Sample Start Time	Sample Finish Time
	Date							
SSAT-	0009	2/4/2014	-30					
SSAT-	0014	2/4/2014	-30					
SSAT-	0029	2/4/2014	-30					
SSAT-	0035	2/4/2014	-30	VN13A-SSAT-0035	-30	-5	0922	0928
SSAT-	0088	2/4/2014	-30	VN15A-SSAT-0088	-30	-5	0945	0946
SSAT-	0094	2/4/2014	-30					
SSAT-	0129	2/4/2014	-30	NO VN-5-SSAT0129	-30	-8	0845	0846
SSAT-	0155	2/4/2014	-30					
SSAT-	0174	2/4/2014	-30	VN-19-SSAT0174	-30	-5	10:00	10:01
SSAT-	0190	2/4/2014	-30					
SSAT-	0219	2/4/2014	-30					
SSAT-	0418	2/4/2014	-30					
SSAT-	0423	2/4/2014	-30					
SSAT-	0455	2/4/2014	-30	VN19-SSAT-0455	-30	-5	0909	0910
SSAT-	0713	2/4/2014	-30					
SSAT-	2040	2/4/2014		MANIFOLD (INST)				